TOSHIBA

FILE NO. 020-200029

SERVICE MANUAL

# COLOR TELEVISION

N0PSP Chassis

## 43H70, 43HX70

(TAC0070) (TAC0074)

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# CHAPTER 1 GENERAL ADJUSTMENTS

## SAFETY INSTRUCTIONS

**WARNING**: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

### X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this receiver is (A) kV at zero beam current (minimum brightness) under a 120V AC power source. The high voltage must not, under any circumstances, exceed (B) kV.

   Refer to table-1 for high voltage (A), (B).
   (See SETTING & ADJUSTING DATA on page 19)

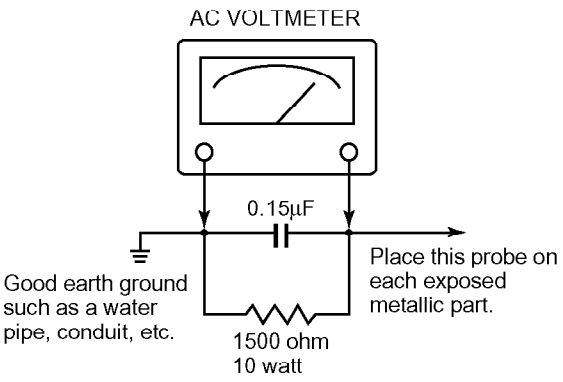
   Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. This receiver is equipped with a Fail Safe (FS) circuit which prevents the receiver from producing an excessively high voltage even if the B+ voltage increases abnormally. Each time the receiver is serviced, the FS circuit must be checked to determine that the circuit is properly functioning, following the FS CIRCUIT CHECK procedure in this manual.
3. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
4. Some part in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

### SAFETY PRECAUTION

WARNING : Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation Transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.
4. Before returning the set to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, screwheads, metal overlays, control shafts etc. to be sure the set is safe to operate without danger of electrical shock. Plug the AC line cord directly into a 120V AC outlet (do not use a line isolation transformer during this check). Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner:

   Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 μF, AC type capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and 0.15 μF capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.3 volts rms. This corresponds to 0.2 milliamp. AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

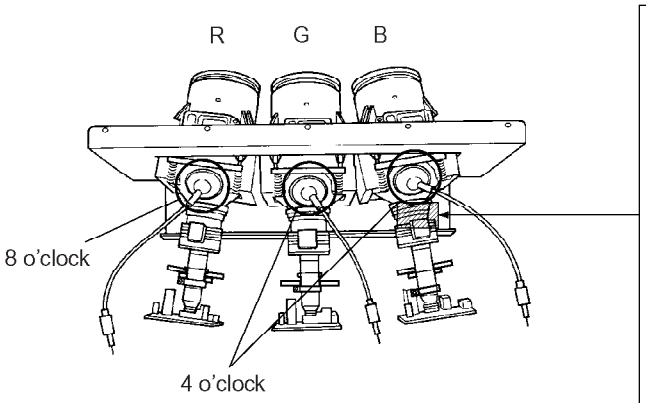

AC VOLTMETER
0.15μF
Good earth ground such as a water pipe, conduit, etc.
Place this probe on each exposed metallic part.
1500 ohm 10 watt

### PRODUCT SAFETY NOTICE

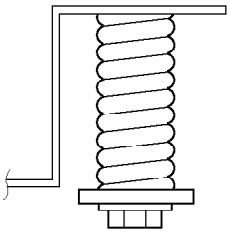
Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.
Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

# CRT ASSEMBLY REPLACEMENT AND MOUNTING

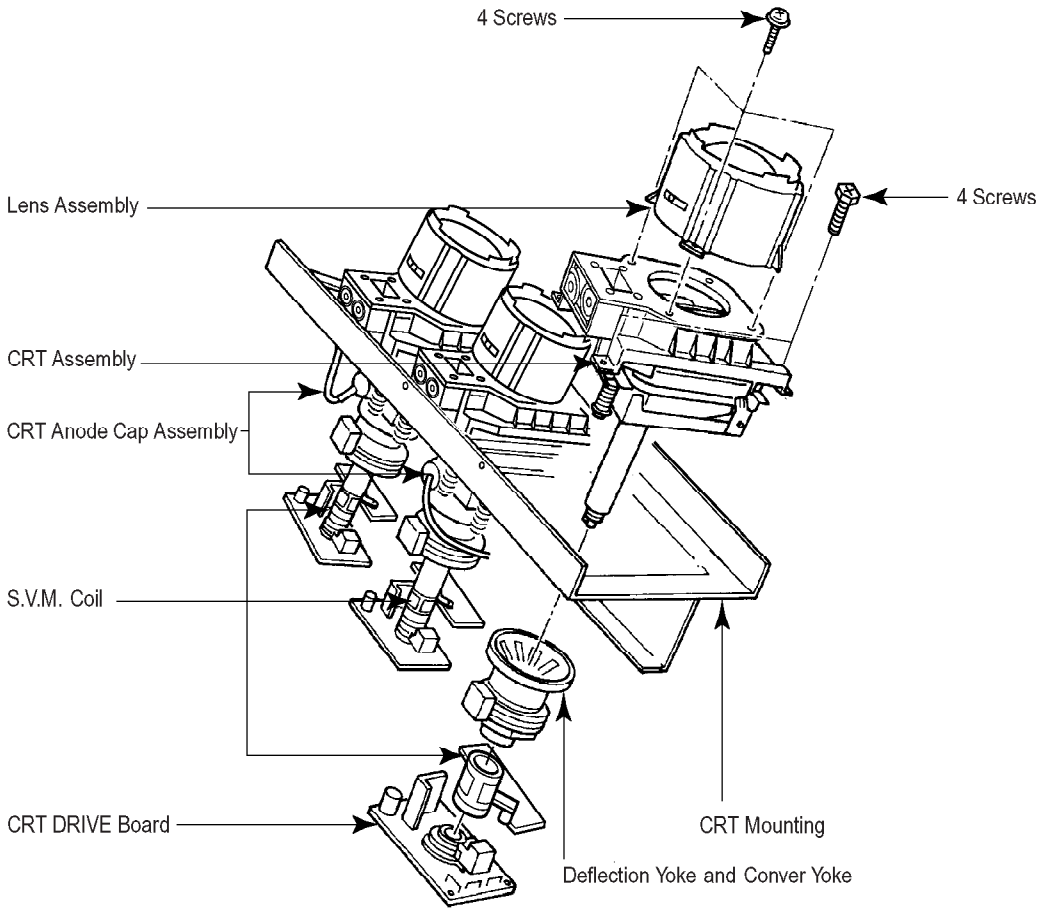
**CAUTION : DO NOT LOOSEN THE HEX HEAD BOLTS WITH SPRINGS (12 PCS), BECAUSE THOSE ARE FOR SEALING OF CRT COOLANT.**




**Attention Serviceman**



The Hex Head Bolts with Springs. (see sketch) used on CRT assembly, are "NOT" Adjustment Screws DO NOT LOOSEN-FLUID LEAKAGE WILL OCCUR.




**Lens and Neck Components View**

TO REMOVE CRT (Same procedure for R, G, B)

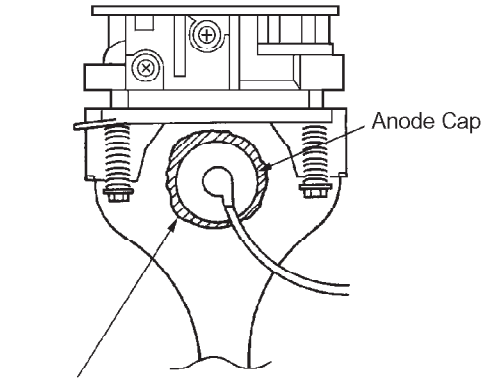
1. Remove CRT DRIVE Board, S. V. M. COIL and DEF. YOKE from CRT.
2. Remove Lens Assembly.
3. Detach CRT Anode Cap from CRT.
4. Remove CRT Assembly from CRT Mounting.

CRT REPLACEMENT (Same procedure for R, G, B)

Reverse the removal procedures except the followings.

1. Anode Cable should be replaced with new one. See "SERVICING PRECAUTIONS" shown below.
2. Install silicon (T461B) to the CRT, replace the Anode cable and put enough silicon again on around the Anode Cap as illustrated.

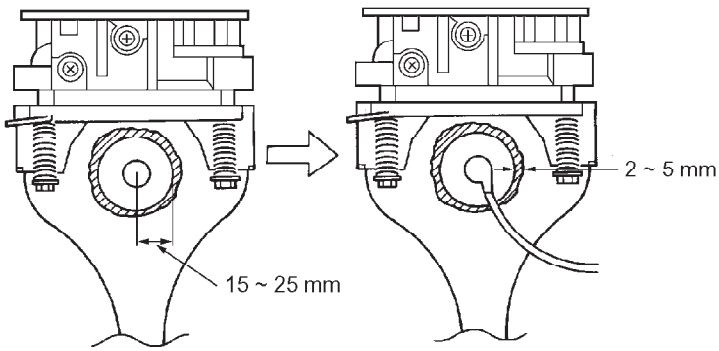
CAUTION: Align the Anode cable as illustrated on page 4.




ADJUSTING PROCEDURE IN REPLACING CRT

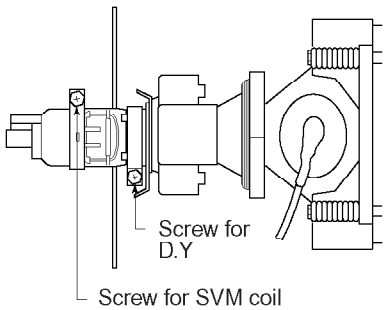
1. R.G.B. FOCUS ADJUSTMENT (page 6.)
2. PICTURE TILT ADJUSTMENT (page 6.)
3. USER CONVERGENCE CENTER CHECK (See owner's manual.)
4. CENTERING ADJUSTMENT (page 6.)
5. CONVERGENCE ADJUSTMENT (page 13.)
6. WHITE BALANCE ADJUSTMENT (page 12.)

Adjustments are complete.



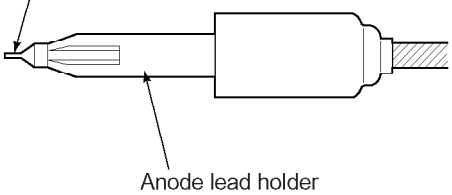

## SERVICING PRECAUTIONS

■ Do not use a magnetized screw driver for screws of Deflection Yoke and Velocity Modulation Coil to avoid magnetization of electron gun. Magnetization of electron gun will degrade basic function and result in unbalance of right and left shift of user static convergence, and result in no variable quantity.




■ When replacing the anode cap assembly (CRT) or anode lead assembly (F.B.T.), remove the anode lead holder from old one and attach the holder again to new anode lead.

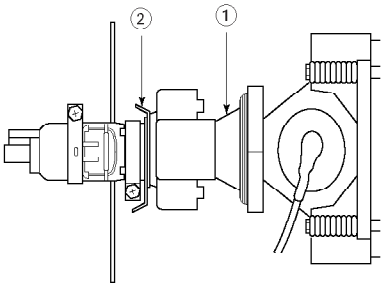
■ Check the point of anode lead in a straight line, if it is winding, please revise it.



**WARNING :** BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

# PICTURE TUBE COMPONENTS ADJUSTMENT

## DESCRIPTION OF NECK COMPONENTS




① Deflection yoke and convergence yoke
The position on the neck is required most front (CRT funnel side) and the screw is fastened after rotating yoke adjusting picture tilt.

② Centering magnet
After adjusting picture tilt, picture position is finally fixed by this magnet.
In order to get maximum margin of user convergence control for center of screen, this magnet have to be used for center convergence adjustment.

PREPARATION
Operate the receiver for at least 5 minutes.

## R, G, B FOCUS ADJUSTMENT

1. Before adjusting the R, G, B FOCUS, remove the 4 screws of Lens Assembly which is fixed on the CRT Assembly. (See page 4.)
   Then turn around the Lens Assembly by 180˚ to adjust the fastening screw (Fig. a) and fasten the 4 screws to secure Lens Assembly.
2. Select the adjustment mode. (See page 9.)
3. Press "7" button to display the built-in cross-hatch.
4. Press "0" and "RTN" buttons to make the picture a single Red color.
   100 button ..... to erase Red color
   0 button ..... to erase Green color
   RTN button ..... to erase Blue color
5. Loosen the fasten screw and adjust Red lense focus to best focusing point of picture center. Then fasten the screw. (See Fig. a.)

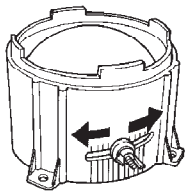


**Fig. a**

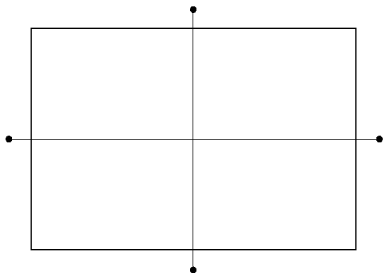
6. Adjust FOCUS VR "R" of FOCUS PACK to find best focusing point of picture center.
7. Repeat steps 3 to 5 for Green and Blue colors.

## TILT ADJUSTMENT

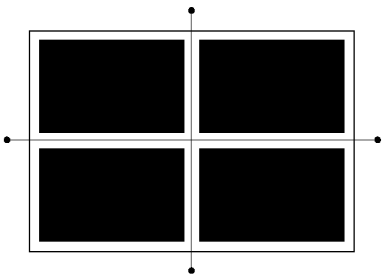
Rotate R, G, B deflection yoke so that picture becomes horizon, then fasten screw.

## CENTERING ADJUSTMENT

1. Stretch a thread between two center of screen edge (top and bottom, left and right).



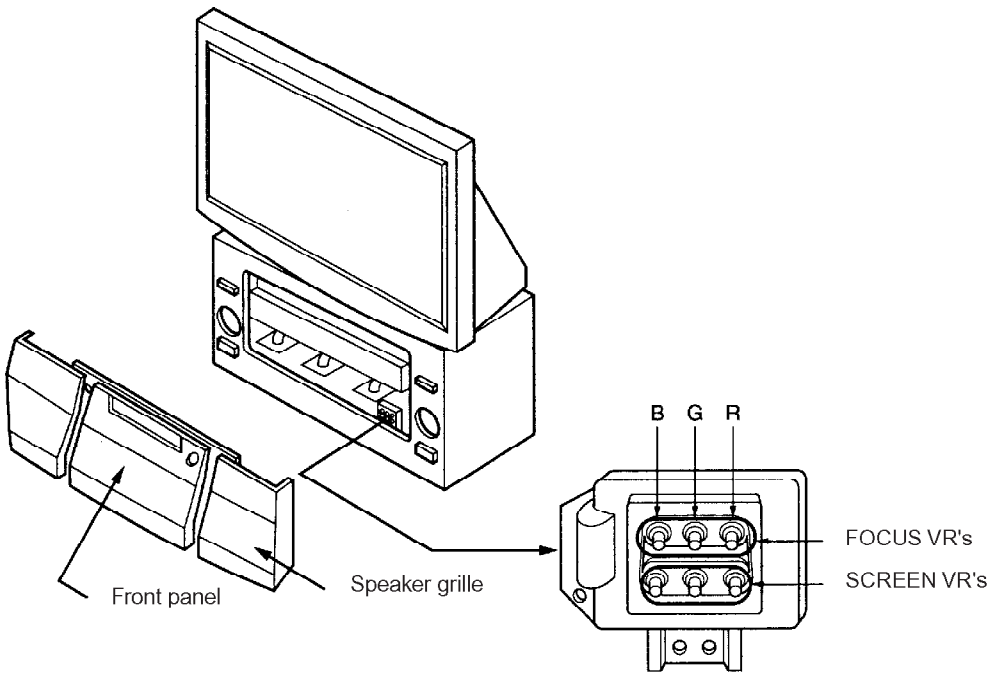
2. Select the adjustment mode.
3. Press TV/VIDEO button on the Remote Control to display the white cross-bar.



4. Perform VCEN adjustment. (See page 11.)
5. Adjust G centering magnet so that the cross-bar pattern center comes to screen center.
6. Perform HEIGHT adjustment . (See page 12.)
7. Perform VERT. LINEARITY adjustment.
8. Perform WIDTH adjustment. (See page 12.)
9. Check whole quality of green line.
10. Adjust R, B centering magnet so that the cross-bar pattern center comes to screen center.

**LOCATION OF SCREEN AND FOCUS VR'S**

To remove the speaker grille and front panel.



# REPLACEMENT OF THE CRT

Service parts are provided for each R, G and B.
The contents of the parts are as follows.

| | | R | G | B |
|---|---|---|---|---|
| HITACHI CRT | 43" | 23003591 | 23003592 | 23003593 |
| TOSHIBA CRT | 43" | 23003798 | 23003799 | 23003800 |

## REPLACEMENT OF HIGH VOLTAGE CABLE

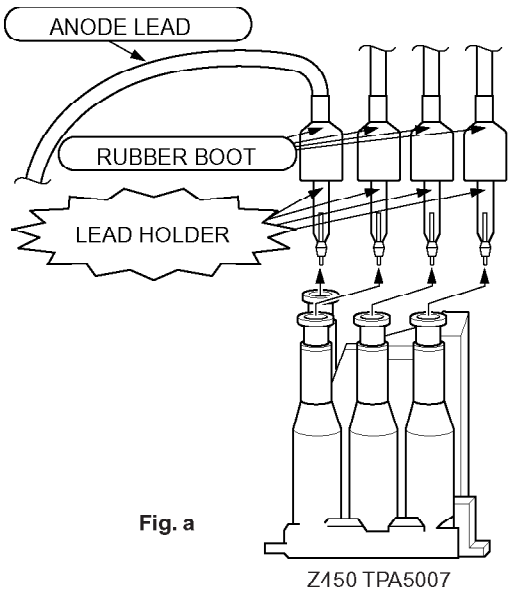



**Fig. a**

1. When replacing Anode Lead or Anode Cap with new one, remove Lead Holder from old lead as shown in figure below, and put it on new lead. Do not throw away Lead Holder.

**NOTE : THE LEAD HOLDER IS ATTACHED TO TPA5007 (Z450), BUT IS NOT ATTACHED TO ANODE LEAD AND ANODE CAP. RUBBER BOOT IS ATTACHED TO ANODE LEAD AND ANODE CAP.**

2. Detaching Lead Holder

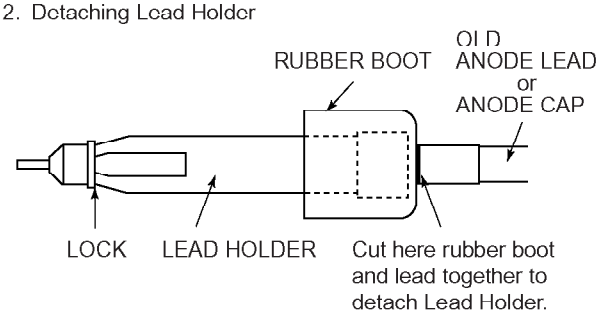



**Fig. b**

# SERVICE MODE

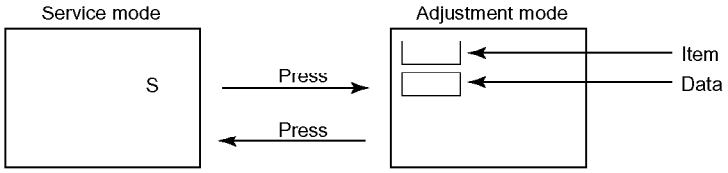
## 1. ENTERING TO SERVICE MODE

1) Press MUTE button once on Remote Control.
2) Press MUTE button again to keep pressing.
3) While pressing the MUTE button, press MENU button on TV set.

(Service mode display)

## 2. DISPLAYING THE ADJUSTMENT MENU

1) Press MENU button on TV.




## 3. KEY FUNCTION IN THE SERVICE MODE

The following key entry during display of adjustment menu provides special functions.

| | |
|---|---|
| Screen adjustment mode ON/OFF: | TV (ANT)/VIDEO button (on TV) |
| Selection of the adjustment items : | Channel ▲/▼ (on TV or Remote) |
| Change of the data value : | Volume ▲/▼ (on TV or Remote) |
| Adjustment menu mode ON/OFF : | MENU button (on TV) |
| Initialization of the memory (QA02) : | RECALL+Channel button on TV (▲) |
| Initialization of the self diagnostic data: | RECALL+Channel button on TV (▼) |

| | |
|---|---|
| "RCUT" selection : | 1 button |
| "GCUT" selection : | 2 button |
| "BCUT" selection : | 3 button |
| "SCNT" selection : | 4 button |
| "SCOL" selection : | 5 button |
| "TNTC" selection : | 6 button |
| Convergence adj : | 7 button |
| Test audio signal ON/OFF (1kHz) : | 8 button |
| Self diagnostic display : | 9 button |

## 4. SELECTING THE ADJUSTING ITEMS

1) Every pressing of CHANNEL ▲ button in the service mode changes the adjustment items in the order of table-2. (▼ button for reverse order)

Refer to table-2 for preset data of adjustment mode.
(See SETTING & ADJUSTING DATA on page 19)

## 5. ADJUSTING THE DATA

1) Pressing of VOLUME ▲ or ▼ button will cahnge the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

## 6. EXIT FROM SERVICE MODE

1) Pressing POWER button to turn off the TV once.

## ■ INITIALIZATION OF MEMORY DATA OF QA02

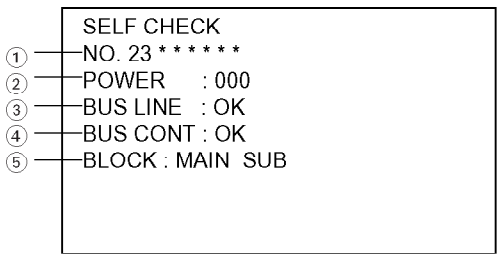
After replacing QA02, the following initialization is required.

1. Enter the service mode, then select any register item.
2. Press and hold the RECALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been complated.
3. Check the picture carefully. If necessary, adjust any adjustment item above.
   Perform "Programming Channel Memory" on the owner's manual.

CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

## 7. SELF DIAGNOSTIC FUNCTION

1) Press "9" button on Remote Control during display of adjustment menu in the service mode.
   The diagnosis will begin to check if interface among IC's are executed properly.
2) During diagnosis, the following displays are shown.

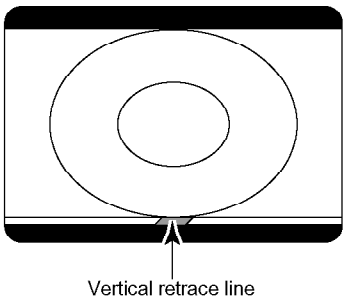
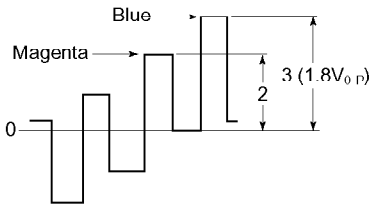


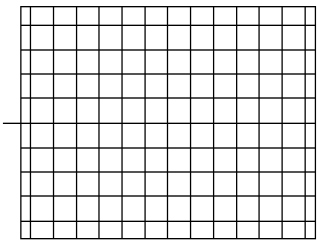

① Part number of microprocessor (QA01)
② Operation number of protection circuit (current limiter) . . . . "000" is normal.
③ BUS line check
- "OK" ..... Normal
- "SCL-GND" or "NG" ..... SCL-GND short circuit
- "SDA-GND" or "NG" ..... SDA-GND short circuit
- "SCL-SDA" or "NG" ..... SCL-SDA short circuit

④ BUS line ACK (acknowledge) check
- "OK" ..... Normal
- Display of Location Number . . . . NG
  (Display example)
  "QA02 NG", "H001 NG", "Q501 NG" etc.
  Note: The indication of failure place is only one place though failure places are plural. When repair of a failure place finishes, the next failure place is indicated. (The order of priority of indication is left side.)

⑤ Sync. signal check
- Green display ..... Normal
- Red display ..... NG
  MAIN ..... Main sync
  SUB ..... Sub sync (when turn on the PIP)

# ELECTRICAL ADJUSTMENT

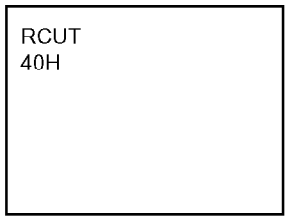
| ITEM | ADJUSTMENT PROCEDURE |
|---|---|
| ƒH<br>(free-running frequency of Hor. oscillator) | 1. Receive NTSC signal.<br>2. Short the terminal "TP +9V " and the terminal " TP (Free run) " on the signal board with a jumper wire.<br>3. Connect the probe of frequency counter to the lead of R426 and GND.<br>4. Adjust the frequency to "31.47±0.2 kHz" by turning R4055.<br>5. Disconnect the shorted wire, then confirm that the picture is synchronized. |
| VERTICAL POSITION (VCEN) | 1. Receive NTSC signal.<br>2. Call up the adjustment mode display, then select the item VCEN.<br>3. Press the VOLUME ▲ or ▼ button to get the voltage 0±10 mV.<br>4. Measuring terminals are TP-V and TP-G on SIGNAL Board. |
| SUB-BRIGHTNESS (BRTC) | 1. Constrict the picture height until the vertical retrace line appears adjusting the HEIGHT control on the MAIN board.<br>2. Adjust the CONTRAST to the minimum and BRIGHTNESS to the center.<br>3. Enter the service mode, then select "**BRTC**" register.<br>4. Adjust the data value so the belt of vertical retrace line just disappear.<br>5. Adjust the CONTRAST for the desired contrast.<br>6. Adjust the HEIGHT control.<br>  <br>Vertical retrace line |
| SUB-COLOR (SCOL)<br>SUB-TINT (TNTC) | 1. Receive color-bar signal from color-bar generator.<br>2. Adjust the BRIGHTNESS and CONTRAST to the center (RESET status).<br>3. Connect oscilloscope to TP501on the MAIN board.<br>4. Enter the service mode, then select "**SCOL**".<br>5. Temporarily adjust the data value to achieve about $1V_{0\text{-}p}$ of blue bar.<br>6. Select "**TNTC**" register.<br>7. Adjust the data value to obtain the blue bar to magenta bar ratio of 3:2 as shown.<br>8. Select "**SCOL**" register.<br>9. Adjust the data value to achieve $1.8V_{0\text{-}p}$ of blue bar on scope.<br>10. Check the picture with off-air signal.<br>  |
| PICTURE POSITION (HPOS) | 1. Receive NTSC signal.<br>2. Call up the adjustment mode display.<br>3. Select the item "HPOS", and adjust the data to "66H".<br>4. Adjust the picture position alternately by turning CENTERING MAGNETS for proper picture position.<br>5. Check the picture with off-air signal. |
| WIDTH (WID) | 1. Receive NTSC signal.<br>2. Select the "FULL" mode by PIC SIZE button on Remote Control.<br>3. Call up the adjustment mode display, then select the item WID.<br>4. Press the VOLUME ▲ or ▼ button to get the picture so that left and right eddes of video signal begin to lack.<br>5. Press the VOLUME ▲ button to advance the data by 12 steps.<br>NOTE: Check the horizontal picture position is correct. |

| ITEM | ADJUSTMENT PROCEDURE |
|---|---|
| HEIGHT<br>(HIT)<br>* Only 4:3 mode | 1. Receive NTSC signal.<br>2. Call up the adjustment mode display, then select the item HIT.<br>3. Press the VOLUME ▲ or ▼ button to get the picture so the top and bottom of video signal begins to lack.<br>4. Press the VOLUME ▲ button to advance the data by 12 steps.<br>Note : Check the vertical picture position is correct. |
| HEIGHT<br>(HIT)<br>* Only 16:9 mode | 1. Call up the adjustment mode display, then select the item HIT.<br>2. Press the VOLUME ▲ or ▼ button so that picture height becomes 75% of the front mask.<br>*Note : Adjust this data after 4:3 mode. |
| VERTICAL LINEARITY<br>(VLIN) | 1. Receive cross-hatch pattern.<br>2. Call up the adjustment mode display, then select the item **VLIN**.<br>3. Press the VOLUME ▲ or ▼ button to obtain the picture of the best linearity.<br>4. Then readjust the item HIT.<br>  |
| WHITE BALANCE<br>(RCUT)<br>(GCUT)<br>(BCUT)<br>(RDRV)<br>(BDRV) | 1. Press RESET button on TV or remote hand set.<br>2. Call up the adjustment mode display, then adjust the data of items **RCUT**, **GCUT** and **BCUT** to “40”.<br>3. Press TV (ANT)/VIDEO button on TV.<br>4. Gradually rotate R, G and B SCREEN volume of FOCUS PAC (page 7) clockwise or counterclockwise until the raster appears slightly on the CRT through the each lens, and leave them.<br>(Look into the lens in order to check the raster.)<br>5. Press TV (ANT)/VIDEO button on TV again.<br>6. Exit from service mode.<br>7. Receive white laster pattern signal, and adjust the contrast to the minimum to make white picture to low light.<br>8. Adjust the data of items **RCUT**, **GCUT** and **BCUT** for low light area.<br>9. Adjust the contrast to the maximum to make white picture to high light.<br>10. Adjust the data of items **GDRV** and **BDRV** Controls for proper white-balanced picture in high light area.<br>11. Check the white balance in both low and high light areas. If necessary, perform again steps from 7 to 9. |

# CONVERGENCE ADJUSTMENT

Adjust convergence from center to circumference in order.

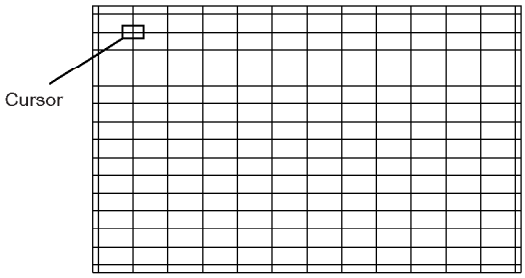
1. Select the adjustment mode following the steps on page 9.




KEY FUNCTION IN THE CONVERGENCE ADJUSTMENT:

| | |
|---|---|
| Up : | 2 button |
| Selet Green color: | 3 button |
| Left : | 4 button |
| Blinking of cursor ON/OFF: | 5 button |
| Right: | 6 button |
| Adjust mode ON/OFF: | 7 button |
| Down: | 8 button |
| Erase Green line: | 0 button |
| Erase Red line: | 100 button |
| Erase Blue line: | CHRTN (ENT) button |

2. Press "7" button to display the built-in cross-hatch pattern.




**Note:**
Adjusting procedure in replacing convergence board.

1. User convergence center check. Make sure the best convergence setting is about the center of adjustable range.
2. CENTERING ADJUSTMENT
3. PICTURE POSITION ADJUSTMENT
4. HIT, WID ADJUSTMENT
5. CONVERGENCE ADJUSTMENT

The pattern includes three colors (R, G, B).
The cursor should be blinking in Red.
This means that the Red color is adjustable.
Adjustment around cursor can be done.

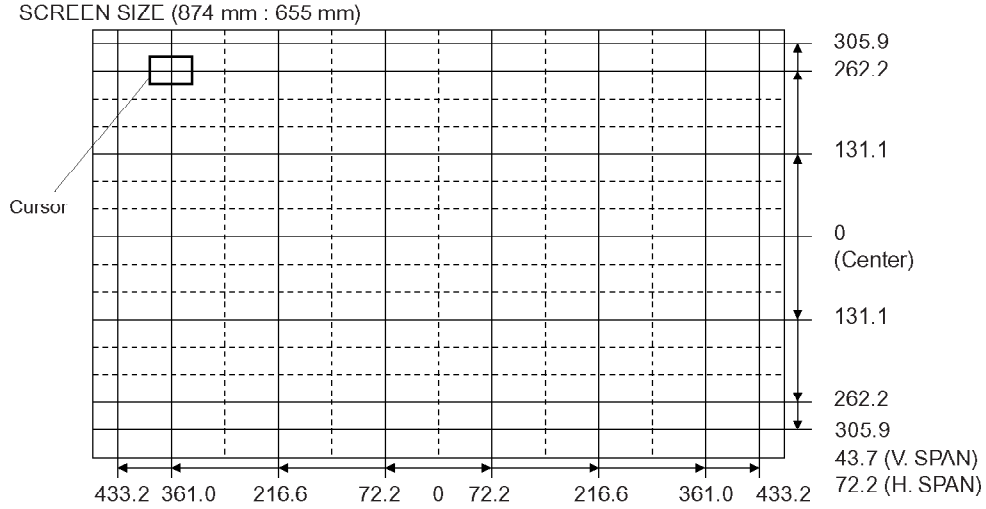
3. Press "3" button to select Green color to be adjusted.
4. Press "5" button to stop the blinking of cursor.
5. Press "2 (up)", "8 (down)", "4 (left)" or "6 (right)" to obtain the correct cross-hatch pattern as above.
   If necessary, the specified color line can be erased from the screen.
   100 button ..... to erase Red line
   0 button ..... to erase Green line
   RTN (ENT) button ..... to erase Blue line
6. Press "5" button to make the cursor blinking.
7. Press "2", "8", "4", "6" buttons to move the cursor to other point to be adjusted.
8. Repeat steps 4 to 7.
9. Repeat steps 3 to 8 to adjust Red and Blue colors.
   Converge the selected color line into the Green line.
10. Press "7" button to enter the adjusted states.
    At this time, picture changes for about 1 second.
11. Press "7" button again to return to the normal picture.

## ADJUSTING DIMENSION OF EACH PICTURE SCREEN

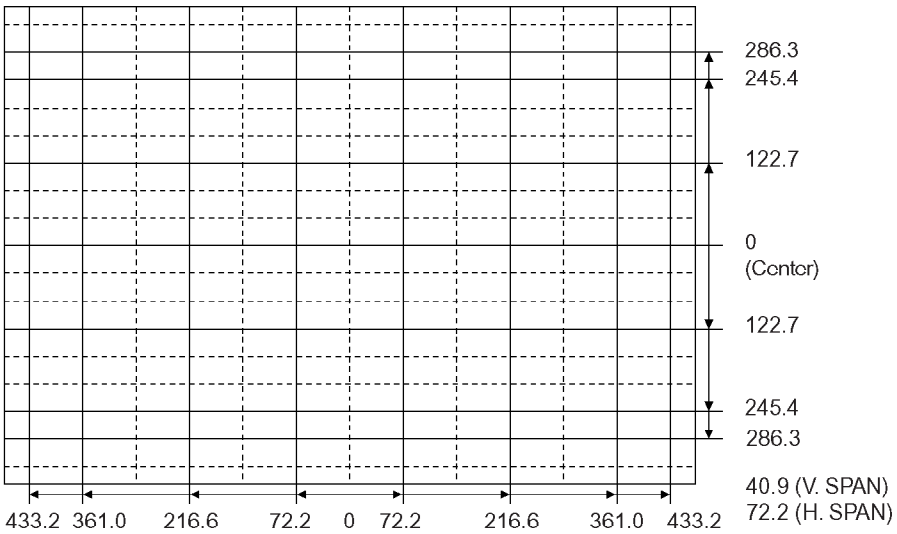
**43 inches:**

(1) NTSC

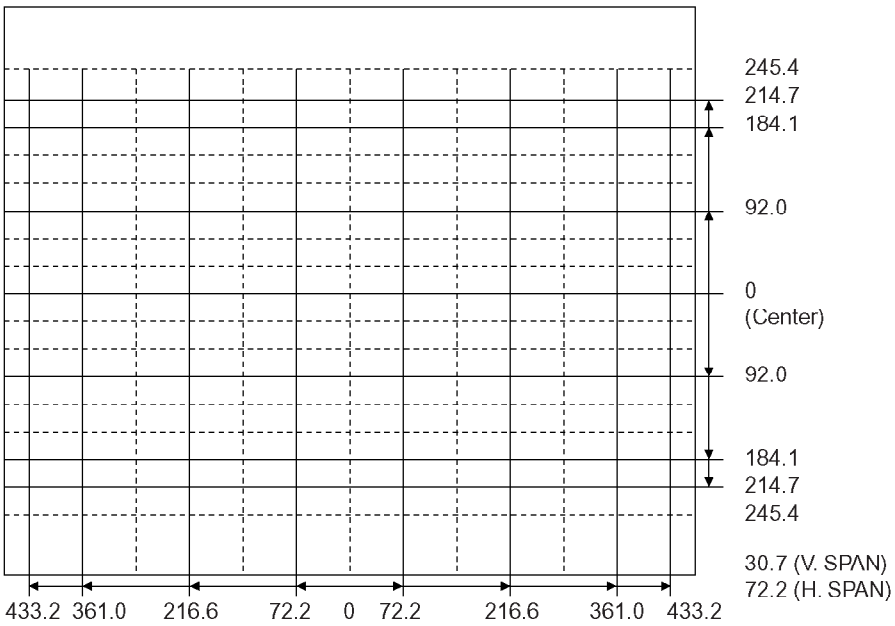
SCREEN SIZE (874 mm : 655 mm)




(2) HD (4 : 3)



(3) HD (16 : 9)


245.4
214.7
184.1
92.0
0
(Center)
92.0
184.1
214.7
245.4
30.7 (V. SPAN)
72.2 (H. SPAN)
433.2 361.0 216.6 72.2 0 72.2 216.6 361.0 433.2

**NOTES**

In many cases, color misconvergence may be corrected by returning HIT and WID data in main deflection side to initial adjusting values. Following cases will surely require readjustment of convergence.

**CRT REPLACEMENT**

When CRT is replaced, main deflection readjustment and color matching are required.
Perform following procedures.

1. Replace two CRT's of blue and red.
2. Perform horizontal adjustment for blue and red yokes on base of green CRT data. Mount yoke and velocity mod. coil alignment, pushing towards CRT without gap.
3. Adjust alignment of blue and red. (Refer Alignment adjustment for details.)
4. Rotating centering magnet, adjust CRT centers of red and blue to CRT center of green.
   (Picture position adjustment)
5. Adjust HIT and WID data of main deflection, and decide data at the most precise screen comparing to green data.
6. Adjust convergence of each screen picture for color matching. Do not move green one at this time.
7. After convergence adjustment of each screen picture finishes, replace green CRT.
   For green CRT as well, repeat steps 2 to 5 above on bases of red and blue color matching to adjust convergence.

**REPLACING CONVERGENCE UNIT**

When replacing convergence unit, all picture screens require readjustment basically, but the following method allows process be reduced considerably.

1. Replace the memory (Q713) on defective unit with memory on new unit. Mounting the unit on the SET after the above working realizes picture screen before replacement immediately.
2. Mount unit which has combination of old and new memories, on SET and turn it on. Screen shows whole picture looks like straightly shifted towards vertical or horizontal direction.
3. Adjust again centers of green, red and blue with centering magnets.
4. Check each picture screen for slight disparity of color and picture size. If necessary, add some adjustments of main deflection and color matching of convergence.

# SCREEN AND MIRROR ALIGNMENTS

* Please refer to MECHANICAL DISASSEMBLY page 25.

## CLEANING OF LENS AND MIRROR

**CAUTION :** Do not hold the optical system parts (lens and mirror) with bare hand to avoid finger-prints on the surface of those parts.

### HOW TO CLEAN LENS AND MIRROR

1. Be sure to remove sand dust with an air brush, etc.
2. When it is stained slightly, breathe upon it and wipe away with the specified cleaning cloth.
   For other stains than the above, wipe the stains away with the specified cloth into which a cleaning liquid has been soaked.

Cleaning liquid..... **LENS LUSTER** (Manufac-tured by Edmund Scientific Co.), etc.

### HOW TO CLEAN SCREEN

When cleaning the screen, use a soft cloth so as not to damage the screen.

1. Wipe the screen with a dry cloth to remove moisture on the screen.

**Note :** Absolutely do not use detergent, water, alcohol, benzine, thinner, etc. for cleaning in order not to wipe away the black print on the surface.

# CIRCUIT CHECKS

## HIGH VOLTAGE CHECK

**CAUTION:** There is no HIGH VOLTAGE ADJUSTMENT on this chassis. Checking should be done following the steps below.

1. Connect an accurate high voltage meter to the anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST to minimum (zero beam current).
3. High voltage must be measured below (B) kV.
   Refer to table-1 for high voltage (B).
   (See SETTING & ADJUSTING DATA on page 19)
4. Vary the BRIGHTNESS to both extremes to be sure the high voltage does not exceed the limit under any conditions.

**CAUTION:**
When the following parts fail, check the High Voltage after replacing.

| Location No. | Name | Descriptions | |
|---|---|---|---|
| | | 40", 43" | 50", 55", 61" |
| T461 | Flyback | TFB3088AD | ← |
| C407 | Capacitor | 4300pF, ±3% | 5100pF, ±3% |
| C408 | Capacitor | 0.027μF, ±5% | 0.022μF, ±3% |
| C445 | Capacitor | 0.015μF, ±5% | 0.022μF, ±5% |
| C446 | Capacitor | 0.011μF, ±5% | 0.012μF, ±5% |
| C447 | Capacitor | 6200PF, ±3% | 5600pF, ±3% |
| C448 | Capacitor | 8200PF, ±5% | ← |
| C449 | Capacitor | 1000PF, ±3% | ← |

## ANODE VOLTAGE MEASURING METHOD

CAUTION: Take extra precaution when measuring this high voltage. High voltages are also present in surrounding circuit boards (CRT DRIVE assembly, DEFLECTION assembly, and POWER SUPPLY assembly).

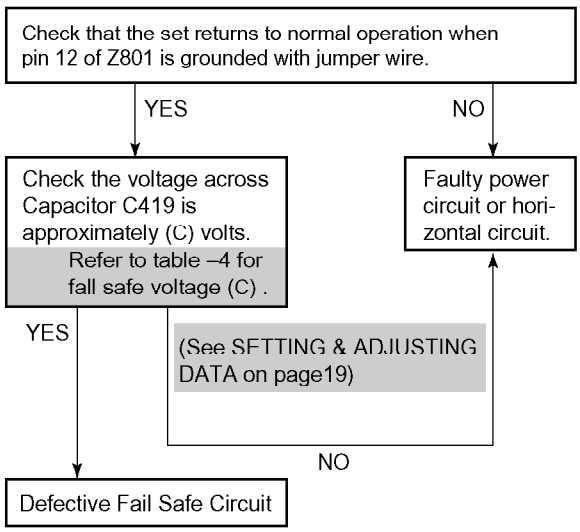
1. Disconnect the FBT anode cable as outlined below. Measure high voltage at the point where the cable enters the FBT.
2. Holding the rubber cover firmly, turn it counterclockwise and check that the lock has been disengaged. (See Fig. b on page 8.)
3. Determine the extent of the rubber cover before disconnecting the cable.
4. Pull straight up the anode cable to disconnect.
5. When reconnecting the cable, proceed in the reverse order. After reconnecting, tug on the cable to check that it is secure.

## FS CIRCUIT CHECK

The Fail Safe (FS) circuit check is indispensable for the final check in servicing. Checking should be done following the steps below.

1. Turn the receiver on.
2. Temporarily short TP- (R) and TP- (X) on the DEF/POWER Board with a jumper wire.
   Raster and sound will disappear.
3. The receiver must remain in this state even after removing the jumper wire. This is the evidence that the FS circuit is functioning properly.
4. To obtain a picture again, temporarily turn the receiver off and allow the FS circuit more than 5 seconds to reset. Then turn the receiver on to produce a normal picture.

**Troubleshooting Guide for Fail Safe Circuit**


Check that the set returns to normal operation when pin 12 of Z801 is grounded with jumper wire.
YES
NO
Check the voltage across Capacitor C419 is approximately (C) volts.
Refer to table –4 for fall safe voltage (C) .
Faulty power circuit or horizontal circuit.
YES
(See SETTING & ADJUSTING DATA on page19)
NO
Defective Fail Safe Circuit

# CHAPTER 2 SPECIFIC INFORMATIONS

## SETTING & ADJUSTING DATA

### 【SAFETY INSTRUCTIONS】

| | | 43" |
|---|---|---|
| HIGH VOLTAGE AT ZERO BEAM: | (A) | 29.5 kV |
| MAX HIGH VOLTAGE: | (B) | 31.0 kV |

Table-1

### 【SERVICE MODE】

**ADJUSTING ITEMS AND DATA IN THE SERVICE MODE:**

| Item | Name of adjustment | Preset | Date |
|---|---|---|---|
| RCUT | R CUTOFF | 40H | ← |
| GCUT | G CUTOFF | 40H | ← |
| BCUT | B CUTOFF | 40H | ← |
| RDRV | R DRIVE | 40H | ← |
| BDRV | B DRIVE | 40H | ← |
| BRTC | SUB-BRIGHT | 80H | ← |
| TNTC | SUB-TINT | 44H | ← |
| SCOL | SUB COLOR | 05H | ← |
| SCNT | SUB-CONTRAST | 10H | ← |
| HPOS | HORIZ. POSITION | 6DH | ← |
| VPOS | VERT. POSITION | 00H | ← |
| HIT | HEIGHT | 64H | 55H |
| LIN | V-LINEARITY | 12H | ← |
| VSC | V-S CORRECTION | 10H | ← |
| WID | PICTURE WIDTH | 23H | ← |
| VPS | V-SHIFT | 0AH | ← |
| HPHA | HORIZ. PHASE (Q510) | — | ← |
| BLKS | VERT. BLANKING START | — | ← |

| Item | Name of adjustment | Preset | Date |
|---|---|---|---|
| BLKF | VERT. BLANKING END | — | ← |
| PYOF | PIP Y OFFSET | 17H | ← |
| PIOF | PIP I OFFSET | 24H | ← |
| PQOF | PIP Q OFFSET | 1EH | ← |
| VCP | V-COMPENSATE | 0AH | ← |
| PARA | E-W PARABOLA (DPC) | 29H | ← |
| CNR | E-W CORNER | 08H | ← |
| HCP | H-COMPENSATE | 00H | ← |
| VFC | V-F CORRECT | 00H | ← |
| PHUE | PIP TINT | 40H | ← |
| PCNT | PIP CONT | 10H | ← |
| PCOL | PIP COLOR | 15H | ← |
| RGBB | RGB BRIGHT | 40H | ← |
| VCEN | V POSITION | 10H | ← |
| TVOP | TV OPTION | 15H | ← |
| OPT0 | TV SET OPTION | 50H | ← |
| OPT1 | TV SET OPTION | 05H | ← |

Table-2

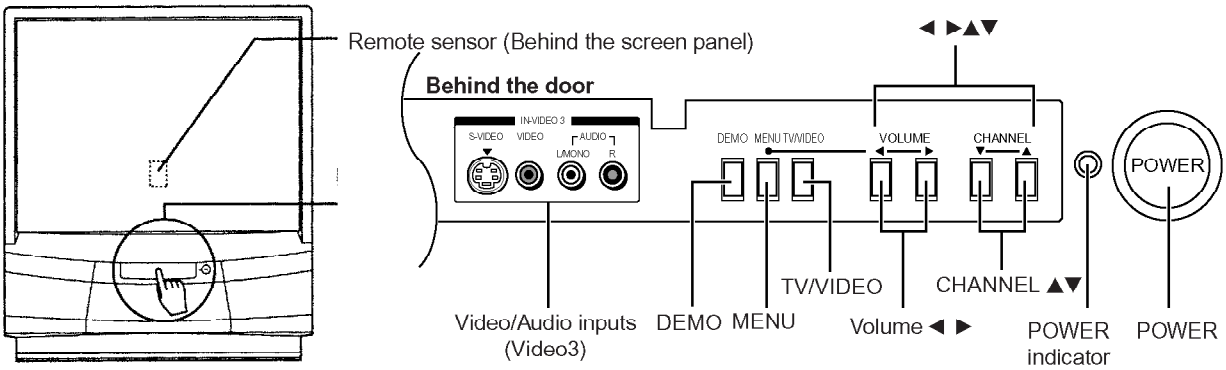
### 【CIRCUIT CHECKS】

| | | |
|---|---|---|
| FBT DETECTION VOLTAGE | (C) | 21.8V |

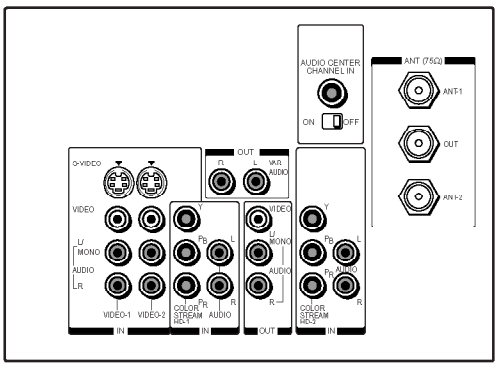
Table-3

# LOCATION OF CONTROLS (Representative : 43HX70)

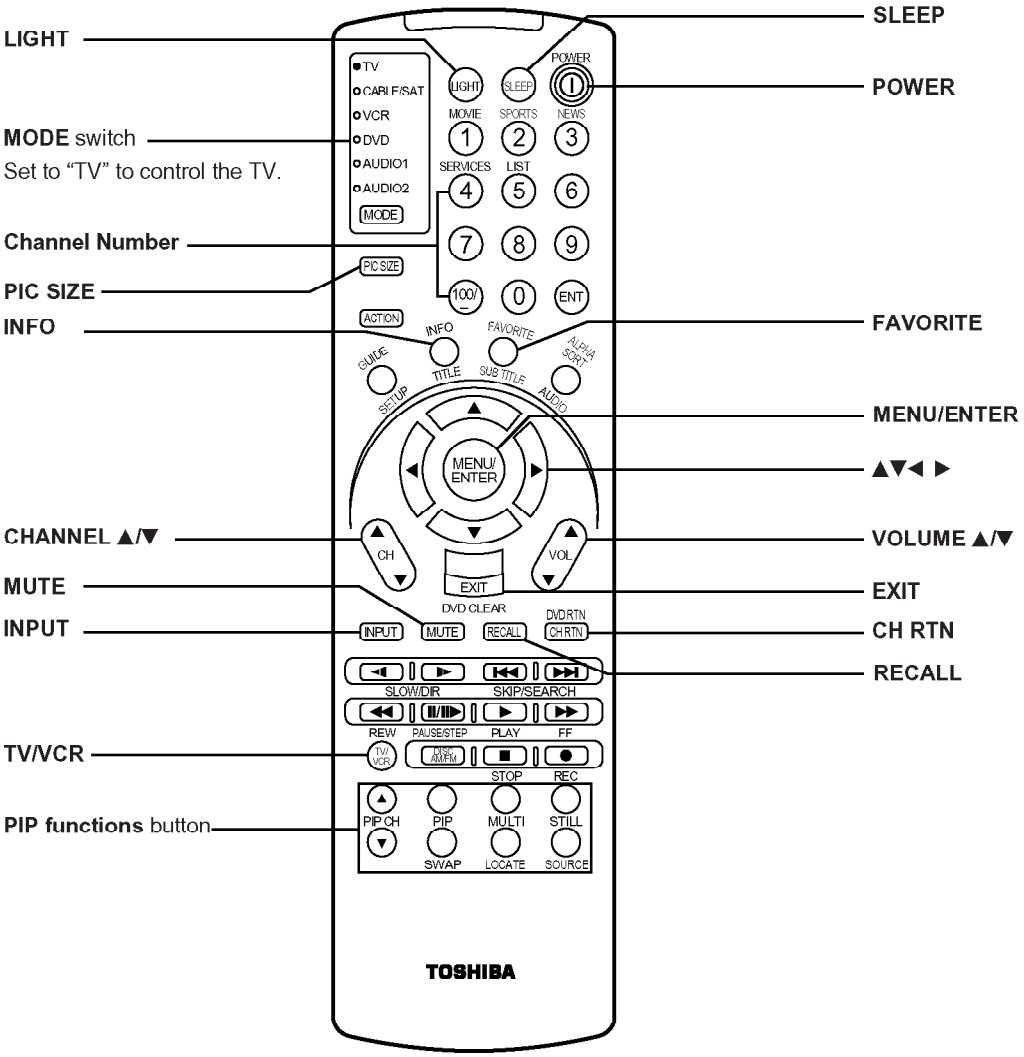
## TV front




## TV rear



## Remote Control



# PROGRAMMING CHANNEL MEMORY

The channel memory is the list of TV channel numbers the TV tunes in when you press the CHANNEL ▲ or ▼ button.
**First, use the TV/CABLE and CH PROGRAM functions to preset all active channels in your area automatically.**
If necessary, arrange the preset channels with the ADD/ERASE functions so that you can tune into only desired channels.
**Note:** If you utilize both ANT-1 and ANT-2 terminals for some model, perform programming channels for each input source.

## TV/CABLE function

1 Press **MENU**, then press ► or ◄ until the SET UP menu appears.

2 Press ▼ (or ▲) until "TV/CABLE" is highlighted.

3 Press ► or ◄ to highlight either "TV" or "CABLE", whichever you use.

## CH PROGRAM function

1 Select "CH PROGRAM" following steps 1 and 2 above.

2 Press ► or ◄ to start channel programming.
The TV will automatically cycle through all the TV or CABLE channels selected by the TV/CABLE function, and store active channels in the channel memory.

3 When channel programming is complete, you will see the message to the right appears.

4 Press **CHANNEL** ▲ or ▼ to make sure the channel programming has been done properly.

## ADD/ERASE function

After performing the CH PROGRAM function, you can add or erase specific channels.

1 Select the channel you want to erase using the **CHANNEL** ▲ or ▼ button, or select the channel you want to add using the **Channel Number** buttons.

2 Press **MENU**, then press ► or ◄ until the SET UP menu appears.

3 Press ▼ (or ▲) until "ADD/ERASE" is highlighted.

4 Press ► or ◄ :
**To erase the channel** press the button until "ERASE" is highlighted.

**To add the channel** press the button until "ADD" is highlighted.

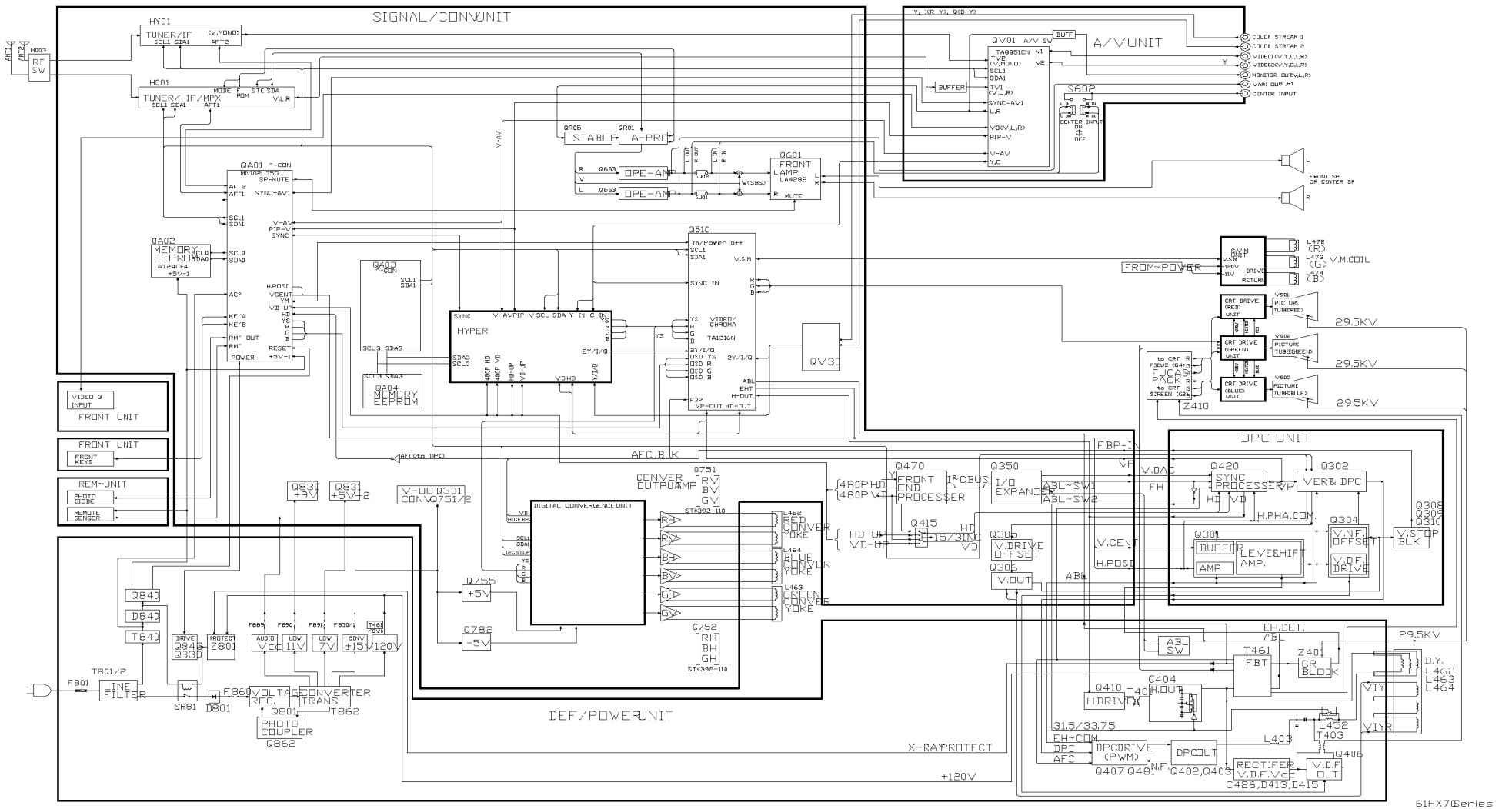
5 Repeat steps 1 to 4 for other channels.

You have now completed the channel programming.

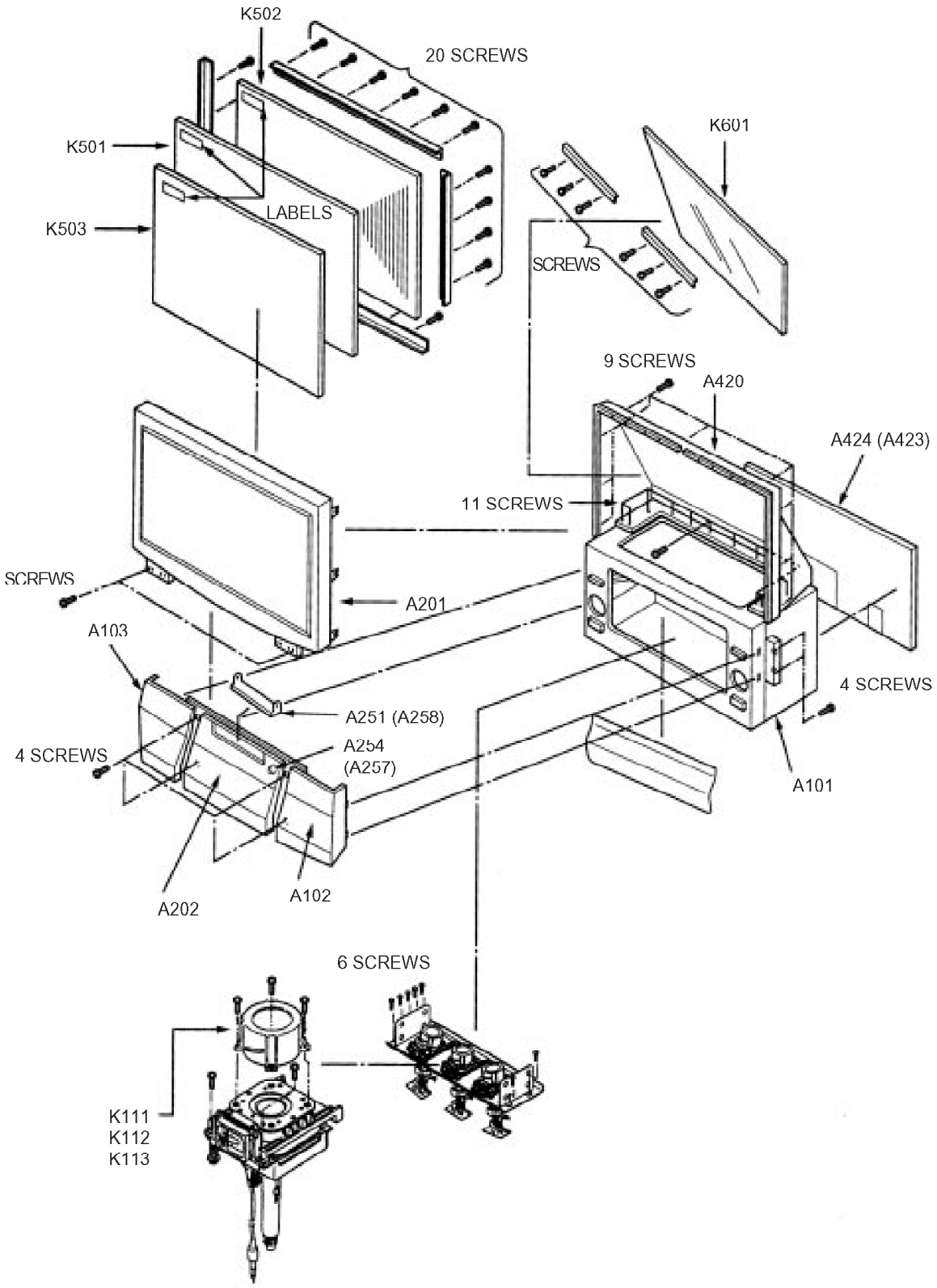
**Note:** The CHANNEL ▼/▲ buttons on the TV function as the ▼/▲ buttons while a menu is on the screen.

* Please refer to owner's manual in detail.

# CIRCUIT BLOCK DIAGRAM



# MECHANICAL DISASSEMBLY



# CHASSIS REPLACEMENT PARTS LIST

**WARNING**: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

**CAUTION**: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing.

*NOTICE:*
- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with ∗ mark is no longer available after the end of the production.*

**Models : 43H70/43HX70**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Capacitors ..... | CD | : Ceramic Disk | PF | : Plastic Film | EL | : Electrolytic |
| Resistors ..... | CF | : Carbon Film | CC | : Carbon Composition | MF | : Metal Film |
| | OMF | : Oxide Metal Film | VR | : Variable Resistor | FR | : Fusible Resistor |

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

| Location No. | Part No. | Description |
|---|---|---|
| **CAPACITORS** | | |
| C102 | 24665221 | EL, 220μF, ±20%, 10V |
| C105 | 24109102 | Chip, 1000pF, ±10% |
| C106 | 24669479 | EL, 4.7μF, ±20%, 50V |
| C107 | 24666221 | EL, 220μF, ±20%, 16V |
| C112 | 24665221 | EL, 220μF, ±20%, 10V |
| C115 | 24109102 | Chip, 1000pF, ±10% |
| C117 | 24666221 | EL, 220μF, ±20%, 16V |
| C151 | 24212102 | CD, 1000pF, ±10% |
| C201 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C205 | 24206229 | EL, 2.2μF, ±20%, 50V |
| C207 | 24105100 | Chip, 10pF, ±0.5pF |
| C208 | 24105100 | Chip, 10pF, ±0.5pF |
| C209 | 24105100 | Chip, 10pF, ±0.5pF |
| C212 | 24666100 | EL, 10μF, ±20%, 16V |
| C221 | 24503041 | PF, 0.1μF, 63V |
| C301 | 24567683 | PF, 0.068μF |
| C302 | 24567224 | PF, 0.22μF |
| C303 | 24666101 | EL, 100μF, ±20%, 16V |
| C304 | 24503041 | PF, 0.1μF, 63V |
| C305 | 24503041 | PF, 0.1μF, 63V |
| C306 | 24567103 | PF, 0.01μF |
| C307 | 24617912 | EL, 2.2μF, ±10%, 50V |
| C308 | 24567183 | PF, 0.018μF |
| C309 | 24212102 | CD, 1000pF, ±10% |
| C310 | 24073020 | EL, 1000μF, ±20%, 10V |
| C311 | 24567103 | PF, 0.01μF |
| C312 | 24591102 | PF, 1000pF |
| C313 | 24567474 | PF, 0.47μF |
| C314 | 24503041 | PF, 0.1μF, 63V |
| C315 | 24073020 | EL, 1000μF, ±20%, 10V |
| C315 | 24206229 | EL, 2.2μF, ±20%, 50V |
| C316 | 24666101 | EL, 100μF, ±20%, 16V |
| C317 | 24591222 | PF, 2200pF |
| C318 | 24591182 | PF, 1800pF |
| C319 | 24667101 | EL, 100μF, ±20%, 25V |
| C320 | 24617820 | EL, 100μF, ±20%, 50V |
| C321 | 24669101 | EL, 100μF, ±20%, 50V |
| C322 | 24567393 | PF, 0.039μF |
| C323 | 24092748 | Chip, 0.056μF, ±10%, 16V |
| C324 | 24567105 | PF, 1μF |

| Location No. | Part No. | Description |
|---|---|---|
| C325 | 24082057 | PF, 0.22μF, 100V |
| C326 | 24567334 | PF, 0.33μF |
| C327 | 24567224 | PF, 0.22μF |
| C328 | 24082260 | PF, 4700pF, 100V |
| C329 | 24669100 | EL, 10μF, ±20%, 50V |
| C330 | 24085946 | EL, 10μF, ±20%, 16V, Non-Polar |
| C331 | 24109333 | Chip, 0.033μF, ±10%, 25V |
| C332 | 24617820 | EL, 100μF, ±20%, 50V |
| C333 | 24693473 | PF, 0.047μF, 100V |
| C334 | 24109471 | Chip, 470pF, ±10% |
| C335 | 24567224 | PF, 0.22μF |
| C336 | 24666100 | EL, 10μF, ±20%, 16V |
| C340 | 24567224 | PF, 0.22μF |
| C350 | 24669229 | EL, 2.2μF, ±20%, 50V |
| C351 | 24503041 | PF, 0.1μF, 63V |
| C352 | 24666220 | EL, 22μF, ±20%, 16V |
| C401 | 24214332 | CD, 3300pF, ±10%, 500V |
| C402 | 24092463 | Chip, 0.22μF, ±10%, 16V |
| C402 | 24214391 | CD, 390pF, ±10%, 500V |
| C403 | 24676220 | EL, 22μF, ±20%, 100V |
| C404 | 24206229 | EL, 2.2μF, ±20%, 50V |
| C405 | 24567124 | PF, 0.12μF |
| C406 | 24109223 | Chip, 0.022μF, ±10%, 25V |
| ⚠C407 | 24082607 | PF, 4300pF, ±3%, 1800V |
| ⚠C408 | 24820273 | PF, 0.027μF, 630V |
| C410 | 24095900 | PF, 3.3μF, ±10%, 100V |
| C410 | 24108221 | Chip, 220pF |
| C411 | 24678220 | EL, 22μF, ±20%, 200V |
| C412 | 24828823 | PF, 0.082μF, 200V |
| C413 | 24214221 | CD, 220pF, ±10%, 500V |
| ⚠C414 | 24082647 | PF, 0.27μF, 400V |
| C415 | 24092484 | CD, 1500pF, ±10%, 2kV |
| C416 | 24095716 | PF, 1.5μF, ±10%, 250V |
| ⚠C417 | 24082648 | PF, 0.3μF, 400V |
| C418 | 24679330 | EL, 33μF, ±20%, 250V |
| C419 | 24669479 | EL, 4.7μF, ±20%, 50V |
| C420 | 24591223 | PF, 0.022μF |
| C423 | 24640908 | EL, 33μF, ±20%, 160V |
| C424 | 24591102 | PF, 1000pF |
| C426 | 24211222 | CD, 2200pF, ±10%, 2kV |

| Location No. | Part No. | Description |
|---|---|---|
| C426 | 24666331 | EL, 330μF, ±20%, 16V |
| C427 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C427 | 24828473 | PF, 0.047μF, 200V |
| C428 | 24797010 | EL, 1μF, ±20%, 50V |
| C429 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C429 | 24591153 | PF, 0.015μF |
| C430 | 24085903 | EL, 1μF, ±20%, 50V, Non-Polar |
| C430 | 24567123 | PF, 0.012μF |
| C431 | 24503041 | PF, 0.1μF, 63V |
| C431 | 24591102 | PF, 1000pF |
| C432 | 24567103 | PF, 0.01μF |
| C432 | 24567333 | PF, 0.033μF |
| C434 | 24501561 | PF, 560pF |
| C435 | 24501272 | PF, 2700pF |
| C436 | 24669479 | EL, 4.7μF, ±20%, 50V |
| C437 | 24567103 | PF, 0.01μF |
| C438 | 24591272 | PF, 2700pF |
| C439 | 24669229 | EL, 2.2μF, ±20%, 50V |
| C440 | 24669229 | EL, 2.2μF, ±20%, 50V |
| C441 | 24501272 | PF, 2700pF |
| C442 | 24501102 | PF, 1000pF |
| C443 | 24503041 | PF, 0.1μF, 63V |
| C444 | 24666331 | EL, 330μF, ±20%, 16V |
| ⚠C445 | 24567103 | PF, 0.01μF |
| ⚠C445 | 24820153 | PF, 0.015μF, 630V |
| ⚠C446 | 24501151 | PF, 150pF |
| ⚠C446 | 24820113 | PF, 0.011μF, 630V |
| ⚠C447 | 24082611 | PF, 6200pF, ±3%, 1800V |
| ⚠C447 | 24503041 | PF, 0.1μF, 63V |
| ⚠C448 | 24666331 | EL, 330μF, ±20%, 16V |
| ⚠C448 | 24820822 | PF, 0.0082μF, 630V |
| ⚠C449 | 24082592 | PF, 1000pF, ±3%, 1800V |
| ⚠C449 | 24591332 | PF, 3300pF |
| C451 | 24567563 | PF, 0.056μF |
| C452 | 24567823 | PF, 0.082μF |
| C453 | 24669010 | EL, 1μF, ±20%, 50V |
| C454 | 24567103 | PF, 0.01μF |
| C455 | 24668331 | EL, 330μF, ±20%, 35V |
| C455 | 24669010 | EL, 1μF, ±20%, 50V |
| C456 | 24503041 | PF, 0.1μF, 63V |
| C456 | 24666221 | EL, 220μF, ±20%, 16V |
| C457 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C457 | 24503041 | PF, 0.1μF, 63V |
| C458 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C458 | 24666331 | EL, 330μF, ±20%, 16V |
| C459 | 24105101 | Chip, 100pF |
| C460 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C461 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C462 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C463 | 24105101 | Chip, 100pF |
| C464 | 24666101 | EL, 100μF, ±20%, 16V |
| C465 | 24503041 | PF, 0.1μF, 63V |
| C467 | 24436220 | CD, 22pF |
| C468 | 24567474 | PF, 0.47μF |
| C469 | 24666100 | EL, 10μF, ±20%, 16V |
| C470 | 24212101 | CD, 100pF, ±10% |
| C472 | 24567474 | PF, 0.47μF |
| C481 | 24666101 | EL, 100μF, ±20%, 16V |
| C482 | 24591223 | PF, 0.022μF |
| C484 | 24591102 | PF, 1000pF |
| C493 | 24503041 | PF, 0.1μF, 63V |
| C501 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C502 | 24092730 | Chip, 0.1μF, ±10%, 16V |

| Location No. | Part No. | Description |
|---|---|---|
| C503 | 24203101 | EL, 100μF, ±20%, 16V |
| C504 | 24109222 | Chip, 2200pF, ±10% |
| C505 | 24108120 | Chip, 12pF |
| C506 | 24108120 | Chip, 12pF |
| C507 | 24108120 | Chip, 12pF |
| C508 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| C509 | 24203101 | EL, 100μF, ±20%, 16V |
| C509 | 24666101 | EL, 100μF, ±20%, 16V |
| C510 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C510 | 24666101 | EL, 100μF, ±20%, 16V |
| C511 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C511 | 24203101 | EL, 100μF, ±20%, 16V |
| C512 | 24206228 | EL, 0.22μF, ±20%, 50V |
| C513 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| C513 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C514 | 24203100 | EL, 10μF, ±20%, 16V |
| C524 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C525 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C526 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C527 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C528 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C529 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C529 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C530 | 24669010 | EL, 1μF, ±20%, 50V |
| C531 | 24666101 | EL, 100μF, ±20%, 16V |
| C532 | 24666100 | EL, 10μF, ±20%, 16V |
| C535 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C536 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C537 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C547 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C551 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C552 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C553 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C554 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C555 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C556 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| C563 | 24206229 | EL, 2.2μF, ±20%, 50V |
| C564 | 24666100 | EL, 10μF, ±20%, 16V |
| C565 | 24669229 | EL, 2.2μF, ±20%, 50V |
| C566 | 24669010 | EL, 1μF, ±20%, 50V |
| C567 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C568 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C569 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C570 | 24669010 | EL, 1μF, ±20%, 50V |
| C601 | 24109102 | Chip, 1000pF, ±10% |
| C602 | 24109102 | Chip, 1000pF, ±10% |
| C603 | 24669100 | EL, 10μF, ±20%, 50V |
| C604 | 24669100 | EL, 10μF, ±20%, 50V |
| C605 | 24667101 | EL, 100μF, ±20%, 25V |
| C606 | 24667101 | EL, 100μF, ±20%, 25V |
| C607 | 24503041 | PF, 0.1μF, 63V |
| C608 | 24503041 | PF, 0.1μF, 63V |
| C609 | 24669102 | EL, 1000μF, ±20%, 50V |
| C610 | 24669102 | EL, 1000μF, ±20%, 50V |
| C611 | 24667221 | EL, 220μF, ±20%, 25V |
| C612 | 24666221 | EL, 220μF, ±20%, 16V |
| C621 | 24206479 | EL, 4.7μF, ±20%, 50V |
| C622 | 24206108 | EL, 0.1μF, ±20%, 50V |
| C623 | 24100472 | Chip, 4700pF, +80%, -20% |
| C624 | 24206479 | EL, 4.7μF, ±20%, 50V |
| C625 | 24206479 | EL, 4.7μF, ±20%, 50V |
| C626 | 24206479 | EL, 4.7μF, ±20%, 50V |
| C627 | 24206479 | EL, 4.7μF, ±20%, 50V |
| C628 | 24206100 | EL, 10μF, ±20%, 50V |

| Location No. | Part No. | Description |
|---|---|---|
| C629 | 24206100 | EL, 10μF, ±20%, 50V |
| C630 | 24206108 | EL, 0.1μF, ±20%, 50V |
| C631 | 24100472 | Chip, 4700pF, +80%, -20% |
| C632 | 24203470 | EL, 47μF, ±20%, 16V |
| C633 | 24567224 | PF, 0.22μF |
| C634 | 24206108 | EL, 0.1μF, ±20%, 50V |
| C635 | 24203220 | EL, 22μF, ±20%, 16V |
| C636 | 24206479 | EL, 4.7μF, ±20%, 50V |
| C637 | 24206100 | EL, 10μF, ±20%, 50V |
| C638 | 24794101 | EL, 100μF, ±20%, 16V |
| C639 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C640 | 24109223 | Chip, 0.022μF, ±10%, 25V |
| C641 | 24109822 | Chip, 8200pF, ±10%, 25V |
| C642 | 24206100 | EL, 10μF, ±20%, 50V |
| C643 | 24206479 | EL, 4.7μF, ±20%, 50V |
| C644 | 24206339 | EL, 3.3μF, ±20%, 50V |
| C645 | 24109333 | Chip, 0.033μF, ±10%, 25V |
| C646 | 24109473 | Chip, 0.047μF, ±10%, 25V |
| C648 | 24109393 | Chip, 0.033μF, ±10%, 25V |
| C649 | 24109223 | Chip, 0.022μF, ±10%, 25V |
| C650 | 24109822 | Chip, 8200pF, ±10%, 25V |
| C651 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C652 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C653 | 24100103 | Chip, 0.01μF, +80%, -20% |
| C654 | 24763101 | EL, 100μF, ±20%, 16V |
| C661 | 24206010 | EL, 1μF, ±20%, 50V |
| C662 | 24206010 | EL, 1μF, ±20%, 50V |
| C663 | 24206010 | EL, 1μF, ±20%, 50V |
| C664 | 24669220 | EL, 22μF, ±20%, 50V |
| C665 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C666 | 24206010 | EL, 1μF, ±20%, 50V |
| C680 | 24669471 | EL, 470μF, ±20%, 50V |
| C681 | 24666100 | EL, 10μF, ±20%, 16V |
| C682 | 24503041 | PF, 0.1μF, 63V |
| C690 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C704 | 24232103 | CD, 0.01μF, +80%, -20% |
| C705 | 24206479 | EL, 4.7μF, ±20%, 50V |
| C707 | 24797470 | EL, 47μF, ±20%, 50V |
| C712 | 24797470 | EL, 47μF, ±20%, 50V |
| C713 | 24790470 | EL, 47μF, ±20%, 160V |
| C715 | 24214472 | CD, 4700pF, ±10%, 500V |
| C717 | 24214472 | CD, 4700pF, ±10%, 500V |
| C718 | 24666470 | EL, 47μF, ±20%, 16V |
| C719 | 24435560 | CD, 56pF, 500V |
| C720 | 24790220 | EL, 22μF, ±20%, 160V |
| C721 | 24666470 | EL, 47μF, ±20%, 16V |
| C722 | 24436820 | CD, 82pF |
| C726 | 24212102 | CD, 1000pF, ±10% |
| C760 | 24797470 | EL, 47μF, ±20%, 50V |
| C761 | 24212102 | CD, 1000pF, ±10% |
| C762 | 24797470 | EL, 47μF, ±20%, 50V |
| C765 | 24214472 | CD, 4700pF, ±10%, 500V |
| C766 | 24214472 | CD, 4700pF, ±10%, 500V |
| C767 | 24790470 | EL, 47μF, ±20%, 160V |
| C768 | 24666470 | EL, 47μF, ±20%, 16V |
| C769 | 24666470 | EL, 47μF, ±20%, 16V |
| C770 | 24435560 | CD, 56pF, 500V |
| C771 | 24790220 | EL, 22μF, ±20%, 160V |
| C780 | 24797470 | EL, 47μF, ±20%, 50V |
| C781 | 24212102 | CD, 1000pF, ±10% |
| C782 | 24797470 | EL, 47μF, ±20%, 50V |
| C784 | 24214472 | CD, 4700pF, ±10%, 500V |
| C786 | 24214472 | CD, 4700pF, ±10%, 500V |
| C787 | 24790470 | EL, 47μF, ±20%, 160V |

| Location No. | Part No. | Description |
|---|---|---|
| C788 | 24666470 | EL, 47μF, ±20%, 16V |
| C789 | 24666470 | EL, 47μF, ±20%, 16V |
| C790 | 24435560 | CD, 56pF, 500V |
| C791 | 24790220 | EL, 22μF, ±20%, 160V |
| C792 | 24669229 | EL, 2.2μF, ±20%, 50V |
| C801 | 24082001 | PF, 0.47μF, AC125V |
| C809 | 24086067 | EL, 1000μF, ±20%, 200V |
| C810 | 24086067 | EL, 1000μF, ±20%, 200V |
| C811 | 24092597 | CD, 4700pF, ±20%, AC250V |
| C812 | 24092597 | CD, 4700pF, ±20%, AC250V |
| C813 | 24092597 | CD, 4700pF, ±20%, AC250V |
| C830 | 24567334 | PF, 0.33μF |
| C831 | 24666101 | EL, 100μF, ±20%, 16V |
| C833 | 24666470 | EL, 47μF, ±20%, 16V |
| C834 | 24667101 | EL, 100μF, ±20%, 25V |
| C835 | 24667470 | EL, 47μF, ±20%, 25V |
| C836 | 24567334 | PF, 0.33μF |
| C840 | 24073058 | EL, 2200μF, +20%, 25V |
| C842 | 24664101 | EL, 100μF, ±20%, 6.3V |
| C843 | 24567105 | PF, 1μF |
| C857 | 24668332 | EL, 3300μF, ±20%, 35V |
| C858 | 24668332 | EL, 3300μF, ±20%, 35V |
| C860 | 24214103 | CD, 0.01μF, ±10%, 500V |
| C863 | 24567224 | PF, 0.22μF |
| C864 | 24092474 | CD, 220pF, ±10%, 2kV |
| C866 | 24567105 | PF, 1μF |
| C867 | 24591472 | PF, 4700pF |
| C868 | 24669101 | EL, 100μF, ±20%, 50V |
| C869 | 24678229 | EL, 2.2μF, ±20%, 200V |
| C870 | 24082889 | PF, 0.068μF, 800V |
| C871 | 24092484 | CD, 1500pF, ±10%, 2kV |
| C872 | 24092478 | CD, 470pF, ±10%, 2kV |
| C873 | 24567224 | PF, 0.22μF |
| C874 | 24212102 | CD, 1000pF, ±10% |
| C876 | 24567474 | PF, 0.47μF |
| C881 | 24678478 | EL, 0.47μF, ±20%, 200V |
| C882 | 24794220 | EL, 22μF, ±20%, 16V |
| C883 | 24082229 | PF, 0.1μF, ±10%, 250V |
| C884 | 24086916 | EL, 330μF, +20%, 160V |
| C885 | 24669479 | EL, 4.7μF, ±20%, 50V |
| C888 | 24666100 | EL, 10μF, ±20%, 16V |
| C889 | 24669010 | EL, 1μF, ±20%, 50V |
| C890 | 24669222 | EL, 2200μF, ±20%, 50V |
| C894 | 24668222 | EL, 2200μF, ±20%, 35V |
| C895 | 24666332 | EL, 3300μF, ±20%, 16V |
| C898 | 24212102 | CD, 1000pF, ±10% |
| C901 | 24211102 | CD, 1000pF, ±10%, 2kV |
| C902 | 24794101 | EL, 100μF, ±20%, 16V |
| C903 | 24232103 | CD, 0.01μF, +80%, -20% |
| C904 | 24436681 | CD, 680pF |
| C905 | 24214102 | CD, 1000pF, ±10%, 500V |
| C907 | 24214101 | CD, 100pF, ±10%, 500V |
| C908 | 24436390 | CD, 39pF |
| C909 | 24794221 | EL, 220μF, ±20%, 16V |
| C911 | 24211102 | CD, 1000pF, ±10%, 2kV |
| C912 | 24794101 | EL, 100μF, ±20%, 16V |
| C913 | 24232103 | CD, 0.01μF, +80%, -20% |
| C914 | 24436821 | CD, 820pF |
| C915 | 24679330 | EL, 33μF, ±20%, 250V |
| C916 | 24794102 | EL, 1000μF, ±20%, 16V |
| C917 | 24214101 | CD, 100pF, ±10%, 500V |
| C918 | 24503041 | PF, 0.1μF, 63V |
| C919 | 24794221 | EL, 220μF, ±20%, 16V |
| C921 | 24211102 | CD, 1000pF, ±10%, 2kV |

| Location No. | Part No. | Description |
|---|---|---|
| C922 | 24794101 | EL, 100μF, ±20%, 16V |
| C923 | 24436681 | CD, 680pF |
| C924 | 24232103 | CD, 0.01μF, +80%, -20% |
| C926 | 24214101 | CD, 100pF, ±10%, 500V |
| C927 | 24503041 | PF, 0.1μF, 63V |
| C928 | 24203100 | EL, 10μF, ±20%, 16V |
| C929 | 24794221 | EL, 220μF, ±20%, 16V |
| C961 | 24763102 | EL, 1000μF, ±20%, 16V |
| C962 | 24203100 | EL, 10μF, ±20%, 16V |
| C963 | 24503041 | PF, 0.1μF, 63V |
| C964 | 24503041 | PF, 0.1μF, 63V |
| C7704 | 24667101 | EL, 100μF, ±20%, 25V |
| C7705 | 24567334 | PF, 0.33μF |
| C7706 | 24567334 | PF, 0.33μF |
| C7707 | 24667101 | EL, 100μF, ±20%, 25V |
| C7708 | 24105150 | Chip, 15pF |
| C7709 | 24105150 | Chip, 15pF |
| C7710 | 24105150 | Chip, 15pF |
| C7711 | 24105150 | Chip, 15pF |
| C7712 | 24105150 | Chip, 15pF |
| C7713 | 24105150 | Chip, 15pF |
| C7714 | 24105150 | Chip, 15pF |
| C7715 | 24105150 | Chip, 15pF |
| C7716 | 24105150 | Chip, 15pF |
| C7717 | 24105150 | Chip, 15pF |
| C7718 | 24105150 | Chip, 15pF |
| C7719 | 24105150 | Chip, 15pF |
| C7721 | 24109102 | Chip, 1000pF, ±10% |
| C7722 | 24105331 | Chip, 330pF |
| C7724 | 24667331 | EL, 330μF, ±20%, 25V |
| C7725 | 24667331 | EL, 330μF, ±20%, 25V |
| C7726 | 24109102 | Chip, 1000pF, ±10% |
| C7727 | 24105331 | Chip, 330pF |
| C7729 | 24109102 | Chip, 1000pF, ±10% |
| C7730 | 24105331 | Chip, 330pF |
| C7732 | 24105331 | Chip, 330pF |
| C7733 | 24105331 | Chip, 330pF |
| C7735 | 24667331 | EL, 330μF, ±20%, 25V |
| C7736 | 24667331 | EL, 330μF, ±20%, 25V |
| C7737 | 24109102 | Chip, 1000pF, ±10% |
| C7738 | 24105331 | Chip, 330pF |
| C7740 | 24105331 | Chip, 330pF |
| C7741 | 24105331 | Chip, 330pF |
| C7751 | 24667101 | EL, 100μF, ±20%, 25V |
| C7752 | 24567334 | PF, 0.33μF |
| C7753 | 24567334 | PF, 0.33μF |
| C7754 | 24667101 | EL, 100μF, ±20%, 25V |
| C7760 | 24667470 | EL, 47μF, ±20%, 25V |
| C7761 | 24667100 | EL, 10μF, ±20%, 25V |
| C7763 | 24667470 | EL, 47μF, ±20%, 25V |
| C7767 | 24667101 | EL, 100μF, ±20%, 25V |
| C7768 | 24667101 | EL, 100μF, ±20%, 25V |
| C7769 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C7774 | 24105101 | Chip, 100pF |
| C7776 | 24667100 | EL, 10μF, ±20%, 25V |
| C7779 | 24105331 | Chip, 330pF |
| C7812 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| C7816 | 24667100 | EL, 10μF, ±20%, 25V |
| C7817 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CA10 | 24105101 | Chip, 100pF |
| CA13 | 24109221 | Chip, 220pF, ±10% |
| CA14 | 24666100 | EL, 10μF, ±20%, 16V |
| CA18 | 24666470 | EL, 47μF, ±20%, 16V |
| CA20 | 24105181 | Chip, 180pF |

| Location No. | Part No. | Description |
|---|---|---|
| CA21 | 24092743 | Chip, 0.47μF, +80%, -20%, 10V |
| CA22 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CA23 | 24105181 | Chip, 180pF |
| CA24 | 24092743 | Chip, 0.47μF, +80%, -20%, 10V |
| CA25 | 24666100 | EL, 10μF, ±20%, 16V |
| CA26 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CA27 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CA29 | 24109221 | Chip, 220pF, ±10% |
| CA30 | 24105101 | Chip, 100pF |
| CA34 | 24105101 | Chip, 100pF |
| CA45 | 24666100 | EL, 10μF, ±20%, 16V |
| CA49 | 24666100 | EL, 10μF, ±20%, 16V |
| CA50 | 24100103 | Chip, 0.01μF, +80%, -20% |
| CA52 | 24109272 | Chip, 2700pF, ±10% |
| CA54 | 24105101 | Chip, 100pF |
| CA59 | 24105101 | Chip, 100pF |
| CA60 | 24105101 | Chip, 100pF |
| CA61 | 24666220 | EL, 22μF, ±20%, 16V |
| CA64 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CA68 | 24666100 | EL, 10μF, ±20%, 16V |
| CA69 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CA71 | 24105101 | Chip, 100pF |
| CA72 | 24085970 | EL, 10μF, ±20%, 16V, Non-Polar |
| CA73 | 24666100 | EL, 10μF, ±20%, 16V |
| CB01 | 24105101 | Chip, 100pF |
| CB02 | 24105101 | Chip, 100pF |
| CB11 | 24100103 | Chip, 0.01μF, +80%, 20% |
| CB11 | 24794470 | EL, 47μF, ±20%, 16V |
| CB12 | 24666100 | EL, 10μF, ±20%, 16V |
| CB13 | 24085970 | EL, 10μF, ±20%, 16V, Non-Polar |
| CB14 | 24105100 | Chip, 10pF, ±0.5pF |
| CB15 | 24794100 | EL, 10μF, ±20%, 16V |
| CB33 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CB37 | 24105101 | Chip, 100pF |
| CB38 | 24105101 | Chip, 100pF |
| CB40 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CB41 | 24666100 | EL, 10μF, ±20%, 16V |
| CB42 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CB42 | 24232103 | CD, 0.01μF, +80%, -20% |
| CB43 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CB62 | 24105331 | Chip, 330pF |
| CB90 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CB91 | 24666100 | EL, 10μF, ±20%, 16V |
| CD01 | 24206478 | EL, 0.47μF, ±20%, 50V |
| CD02 | 24206478 | EL, 0.47μF, ±20%, 50V |
| CD03 | 24503041 | PF, 0.1μF, 63V |
| CD05 | 24567103 | PF, 0.01μF |
| CD06 | 24206478 | EL, 0.47μF, ±20%, 50V |
| CD07 | 24591472 | PF, 4700pF |
| CD08 | 24206478 | EL, 0.47μF, ±20%, 50V |
| CD10 | 24503041 | PF, 0.1μF, 63V |
| CD11 | 24203100 | EL, 10μF, ±20%, 16V |
| CD12 | 24203100 | EL, 10μF, ±20%, 16V |
| CD13 | 24666101 | EL, 100μF, ±20%, 16V |
| CD15 | 24761102 | EL, 1000μF, ±20%, 6.3V |
| CD16 | 24206479 | EL, 4.7μF, ±20%, 50V |
| CH001 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH004 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH005 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH006 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |

| Location No. | Part No. | Description |
|---|---|---|
| CH007 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH008 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH009 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH010 | 24092743 | Chip, 0.47μF, +80%, -20%, 10V |
| CH011 | 24762221 | EL, 220μF, ±20%, 10V |
| CH012 | 24763101 | EL, 100μF, ±20%, 16V |
| CH013 | 24763101 | EL, 100μF, ±20%, 16V |
| CH014 | 24108101 | Chip, 100pF |
| CH015 | 24108330 | Chip, 33pF |
| CH016 | 24108330 | Chip, 33pF |
| CH017 | 24108330 | Chip, 33pF |
| CH018 | 24108330 | Chip, 33pF |
| CH019 | 24108330 | Chip, 33pF |
| CH020 | 24108330 | Chip, 33pF |
| CH040 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH041 | 24108101 | Chip, 100pF |
| CH042 | 24108101 | Chip, 100pF |
| CH043 | 24108101 | Chip, 100pF |
| CH044 | 24108101 | Chip, 100pF |
| CH045 | 24108101 | Chip, 100pF |
| CH046 | 24108101 | Chip, 100pF |
| CH047 | 24108101 | Chip, 100pF |
| CH048 | 24108101 | Chip, 100pF |
| CH051 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH052 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH053 | 24105070 | Chip, 7pF, ±0.5pF |
| CH061 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CH062 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CH063 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH101 | 24105070 | Chip, 7pF, ±0.5pF |
| CH102 | 24105070 | Chip, 7pF, ±0.5pF |
| CH120 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH121 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH122 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH123 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH124 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH125 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH126 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH127 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH128 | 24108221 | Chip, 220pF |
| CH129 | 24108221 | Chip, 220pF |
| CH140 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH141 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH142 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH143 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH144 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH145 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH146 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH147 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH148 | 24108221 | Chip, 220pF |
| CH149 | 24108221 | Chip, 220pF |
| CH160 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH161 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH162 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH163 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH164 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH165 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH166 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH167 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH168 | 24108221 | Chip, 220pF |
| CH169 | 24108221 | Chip, 220pF |
| CH170 | 24105681 | Chip, 680pF |
| CH171 | 24105681 | Chip, 680pF |

| Location No. | Part No. | Description |
|---|---|---|
| CH172 | 24105331 | Chip, 330pF |
| CH173 | 24105102 | Chip, 1000pF, 25V |
| CH174 | 24105391 | Chip, 390pF |
| CH175 | 24105220 | Chip, 22pF |
| CH176 | 24105391 | Chip, 390pF |
| CH177 | 24105220 | Chip, 22pF |
| CH178 | 24105151 | Chip, 150pF |
| CH179 | 24105102 | Chip, 1000pF, 25V |
| CH180 | 24105681 | Chip, 680pF |
| CH181 | 24105681 | Chip, 680pF |
| CH182 | 24105391 | Chip, 390pF |
| CH183 | 24105220 | Chip, 22pF |
| CH184 | 24105391 | Chip, 390pF |
| CH185 | 24105220 | Chip, 22pF |
| CH186 | 24105331 | Chip, 330pF |
| CH187 | 24105102 | Chip, 1000pF, 25V |
| CH188 | 24105151 | Chip, 150pF |
| CH189 | 24105102 | Chip, 1000pF, 25V |
| CH190 | 24105681 | Chip, 680pF |
| CH191 | 24105681 | Chip, 680pF |
| CH192 | 24105391 | Chip, 390pF |
| CH193 | 24105220 | Chip, 22pF |
| CH194 | 24105331 | Chip, 330pF |
| CH195 | 24105102 | Chip, 1000pF, 25V |
| CH196 | 24105391 | Chip, 390pF |
| CH197 | 24105220 | Chip, 22pF |
| CH198 | 24105151 | Chip, 150pF |
| CH199 | 24105102 | Chip, 1000pF, 25V |
| CH200 | 24105681 | Chip, 680pF |
| CH201 | 24105681 | Chip, 680pF |
| CH202 | 24105220 | Chip, 22pF |
| CH203 | 24105391 | Chip, 390pF |
| CH204 | 24105391 | Chip, 390pF |
| CH205 | 24105220 | Chip, 22pF |
| CH206 | 24105331 | Chip, 330pF |
| CH207 | 24105102 | Chip, 1000pF, 25V |
| CH208 | 24105151 | Chip, 150pF |
| CH209 | 24105102 | Chip, 1000pF, 25V |
| CH210 | 24105681 | Chip, 680pF |
| CH211 | 24105681 | Chip, 680pF |
| CH212 | 24105331 | Chip, 330pF |
| CH213 | 24105102 | Chip, 1000pF, 25V |
| CH223 | 24105391 | Chip, 390pF |
| CH224 | 24105220 | Chip, 22pF |
| CH225 | 24105391 | Chip, 390pF |
| CH226 | 24105220 | Chip, 22pF |
| CH227 | 24105151 | Chip, 150pF |
| CH228 | 24105102 | Chip, 1000pF, 25V |
| CH229 | 24105681 | Chip, 680pF |
| CH230 | 24105681 | Chip, 680pF |
| CH231 | 24105391 | Chip, 390pF |
| CH232 | 24105220 | Chip, 22pF |
| CH233 | 24105391 | Chip, 390pF |
| CH234 | 24105220 | Chip, 22pF |
| CH235 | 24105331 | Chip, 330pF |
| CH236 | 24105102 | Chip, 1000pF, 25V |
| CH237 | 24105151 | Chip, 150pF |
| CH238 | 24105102 | Chip, 1000pF, 25V |
| CH241 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH245 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH247 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH248 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CH249 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CH250 | 24092730 | Chip, 0.1μF, ±10%, 16V |

| Location No. | Part No. | Description |
|---|---|---|
| CM01 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CM02 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CM07 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CM08 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CM09 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CR12 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CR13 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CR14 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CR15 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CR16 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CR17 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CS03 | 24436221 | CD, 220pF |
| CS04 | 24206010 | EL, 1μF, ±20%, 50V |
| CS07 | 24436221 | CD, 220pF |
| CS08 | 24206010 | EL, 1μF, ±20%, 50V |
| CS09 | 24436331 | CD, 330pF |
| CS10 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS11 | 24206010 | EL, 1μF, ±20%, 50V |
| CS12 | 24436221 | CD, 220pF |
| CS13 | 24206010 | EL, 1μF, ±20%, 50V |
| CS14 | 24436221 | CD, 220pF |
| CS15 | 24436331 | CD, 330pF |
| CS16 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS21 | 24436101 | CD, 100pF |
| CS22 | 24436101 | CD, 100pF |
| CS24 | 24436331 | CD, 330pF |
| CS25 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS28 | 24436331 | CD, 330pF |
| CS29 | 24436331 | CD, 330pF |
| CS32 | 24203100 | EL, 10μF, ±20%, 16V |
| CS33 | 24203100 | EL, 10μF, ±20%, 16V |
| CS34 | 24436331 | CD, 330pF |
| CS35 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS36 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS38 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS51 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS52 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS53 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS54 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CS55 | 24436331 | CD, 330pF |
| CS56 | 24436331 | CD, 330pF |
| CS57 | 24436331 | CD, 330pF |
| CS58 | 24436331 | CD, 330pF |
| CV01 | 24085981 | EL, 10μF, ±20%, 16V, Non-Polar |
| CV02 | 24232103 | CD, 0.01μF, +80%, -20% |
| CV03 | 24085981 | EL, 10μF, ±20%, 16V, Non-Polar |
| CV04 | 24203100 | EL, 10μF, ±20%, 16V |
| CV05 | 24203100 | EL, 10μF, ±20%, 16V |
| CV08 | 24666102 | EL, 1000μF, ±20%, 16V |
| CV10 | 24203100 | EL, 10μF, ±20%, 16V |
| CV10 | 24794100 | EL, 10μF, ±20%, 16V |
| CV11 | 24232103 | CD, 0.01μF, +80%, -20% |
| CV12 | 24232103 | CD, 0.01μF, +80%, -20% |
| CV17 | 24203100 | EL, 10μF, ±20%, 16V |
| CV21 | 24203100 | EL, 10μF, ±20%, 16V |
| CV22 | 24203100 | EL, 10μF, ±20%, 16V |
| CV23 | 24232103 | CD, 0.01μF, +80%, -20% |
| CV24 | 24212102 | CD, 1000pF, ±10% |
| CV27 | 24762471 | EL, 470μF, ±20%, 10V |
| CV29 | 24763101 | EL, 100μF, ±20%, 16V |
| CV30 | 24232103 | CD, 0.01μF, +80%, -20% |
| CV38 | 24203101 | EL, 100μF, ±20%, 16V |

| Location No. | Part No. | Description |
|---|---|---|
| CV39 | 24212102 | CD, 1000pF, ±10% |
| CV40 | 24763101 | EL, 100μF, ±20%, 16V |
| CV41 | 24232103 | CD, 0.01μF, +80%, -20% |
| CV46 | 24232103 | CD, 0.01μF, +80%, -20% |
| CV60 | 24203470 | EL, 47μF, ±20%, 16V |
| CV61 | 24203470 | EL, 47μF, ±20%, 16V |
| CV62 | 24232103 | CD, 0.01μF, +80%, -20% |
| CV63 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CV64 | 24206100 | EL, 10μF, ±20%, 50V |
| CV65 | 24591122 | PF, 1200pF |
| CV66 | 24436561 | CD, 560pF |
| CV67 | 24591102 | PF, 1000pF |
| CV68 | 24206010 | EL, 1μF, ±20%, 50V |
| CV78 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CV100 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CV135 | 24203470 | EL, 47μF, ±20%, 16V |
| CV136 | 24203470 | EL, 47μF, ±20%, 16V |
| CV137 | 24203470 | EL, 47μF, ±20%, 16V |
| CV138 | 24203470 | EL, 47μF, ±20%, 16V |
| CV501 | 24203101 | EL, 100μF, ±20%, 16V |
| CV503 | 24203100 | EL, 10μF, ±20%, 16V |
| CV505 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CW08 | 24794101 | EL, 100μF, ±20%, 16V |
| CW09 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CX11 | 24667470 | EL, 47μF, ±20%, 25V |
| CX13 | 24669470 | EL, 47μF, ±20%, 50V |
| CX102 | 24092441 | Chip, 1μF, +80%, -20%, 16V |
| CX103 | 24203330 | EL, 33μF, ±20%, 16V |
| CX104 | 24092441 | Chip, 1μF, +80%, -20%, 16V |
| CX105 | 24666101 | EL, 100μF, ±20%, 16V |
| CX106 | 24105181 | Chip, 180pF |
| CX107 | 24105820 | Chip, 820pF |
| CX108 | 24105121 | Chip, 120pF |
| CX109 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX112 | 24100333 | Chip, 0.033μF, +80%, -20%, 25V |
| CX113 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX114 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX115 | 24202220 | EL, 22μF, ±20%, 10V |
| CX116 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX132 | 24092441 | Chip, 1μF, +80%, -20%, 16V |
| CX133 | 24203330 | EL, 33μF, ±20%, 16V |
| CX134 | 24092441 | Chip, 1μF, +80%, -20%, 16V |
| CX136 | 24105121 | Chip, 120pF |
| CX137 | 24105151 | Chip, 150pF |
| CX138 | 24105471 | Chip, 470pF |
| CX142 | 24092616 | Chip, 0.33μF, ±10%, 16V |
| CX145 | 24202220 | EL, 22μF, ±20%, 10V |
| CX146 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX162 | 24092441 | Chip, 1μF, +80%, -20%, 16V |
| CX163 | 24203330 | EL, 33μF, ±20%, 16V |
| CX164 | 24092441 | Chip, 1μF, +80%, -20%, 16V |
| CX166 | 24105121 | Chip, 120pF |
| CX167 | 24105151 | Chip, 150pF |
| CX168 | 24105331 | Chip, 330pF |
| CX172 | 24092616 | Chip, 0.33μF, ±10%, 16V |
| CX175 | 24202220 | EL, 22μF, ±20%, 10V |
| CX176 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX191 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX192 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX193 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX195 | 24105100 | Chip, 10pF, ±0.5pF |
| CX196 | 24105100 | Chip, 10pF, ±0.5pF |
| CX211 | 24092538 | Chip, 1μF, +80%, -20%, 10V |

| Location No. | Part No. | Description |
|---|---|---|
| CX222 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX223 | 24669010 | EL, 1μF, ±20%, 50V |
| CX224 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CX225 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX226 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX242 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX243 | 24666100 | EL, 10μF, ±20%, 16V |
| CX244 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CX245 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX246 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX301 | 24763221 | EL, 220μF, ±20%, 16V |
| CX303 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX306 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX311 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX313 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX315 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX317 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX319 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX320 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX321 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX322 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX323 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CX326 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CX327 | 24105470 | Chip, 47pF |
| CX328 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CX329 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CX331 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CX332 | 24105330 | Chip, 33pF |
| CX333 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CX334 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CX341 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX342 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CX343 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX344 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CX345 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX346 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CX354 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX361 | 24766470 | EL, 47μF, ±20%, 50V |
| CX364 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX366 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX368 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX372 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX399 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX471 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX473 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CX521 | 24105820 | Chip, 820pF |
| CX522 | 24105560 | Chip, 56pF |
| CX523 | 24105270 | Chip, 27pF |
| CX531 | 24105101 | Chip, 100pF |
| CX532 | 24105330 | Chip, 33pF |
| CX541 | 24105101 | Chip, 100pF |
| CX542 | 24105330 | Chip, 33pF |
| CX562 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX564 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX811 | 24105330 | Chip, 33pF |
| CX812 | 24105330 | Chip, 33pF |
| CX821 | 24105101 | Chip, 100pF |
| CX822 | 24105101 | Chip, 100pF |
| CX823 | 24105101 | Chip, 100pF |
| CX824 | 24105221 | Chip, 220pF |
| CX825 | 24105221 | Chip, 220pF |
| CX826 | 24105221 | Chip, 220pF |
| CX827 | 24105221 | Chip, 220pF |
| CX829 | 24105221 | Chip, 220pF |

| Location No. | Part No. | Description |
|---|---|---|
| CX844 | 24105221 | Chip, 220pF |
| CX845 | 24105221 | Chip, 220pF |
| CX891 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CX904 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CY21 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY22 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY23 | 24763221 | EL, 220μF, ±20%, 16V |
| CY24 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY25 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY26 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY27 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY28 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY29 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY32 | 24762102 | EL, 1000μF, ±20%, 10V |
| CY33 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY35 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY36 | 24108120 | Chip, 12pF |
| CY37 | 24108120 | Chip, 12pF |
| CY38 | 24108120 | Chip, 12pF |
| CY39 | 24206228 | EL, 0.22μF, ±20%, 50V |
| CY40 | 24109222 | Chip, 2200pF, ±10% |
| CY40 | 24206100 | EL, 10μF, ±20%, 50V |
| CY41 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CY42 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CY43 | 24092463 | Chip, 0.22μF, ±10%, 16V |
| CY44 | 24206229 | EL, 2.2μF, ±20%, 50V |
| CY45 | 24109223 | Chip, 0.022μF, ±10%, 25V |
| CY105 | 24108221 | Chip, 220pF |
| CY120 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY121 | 24108101 | Chip, 100pF |
| CY122 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY132 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY133 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY134 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY149 | 24108330 | Chip, 33pF |
| CY155 | 24792101 | EL, 100μF, ±20%, 6.3V |
| CY157 | 24108330 | Chip, 33pF |
| CY158 | 24108330 | Chip, 33pF |
| CY160 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY162 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY163 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY164 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY165 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY166 | 24202221 | EL, 220μF, ±20%, 10V |
| CY167 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY168 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY169 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY170 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY171 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY172 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY173 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY174 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY175 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY176 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY177 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY178 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY179 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY180 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY181 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY182 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY183 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY184 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY185 | 24761471 | EL, 470μF, ±20%, 6.3V |
| CY186 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |

| Location No. | Part No. | Description |
|---|---|---|
| CY189 | 24092293 | Chip, 0.1μF, +80%, -20%, 25V |
| CY202 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY203 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY204 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY205 | 24108101 | Chip, 100pF |
| CY206 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY207 | 24202101 | EL, 100μF, ±20%, 10V |
| CY251 | 24109472 | Chip, 4700pF, ±10% |
| CY252 | 24109472 | Chip, 4700pF, ±10% |
| CY253 | 24109472 | Chip, 4700pF, ±10% |
| CY254 | 24109472 | Chip, 4700pF, ±10% |
| CY255 | 24109472 | Chip, 4700pF, ±10% |
| CY256 | 24109472 | Chip, 4700pF, ±10% |
| CY257 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY300 | 24201101 | EL, 100μF, 6.3V |
| CY301 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY304 | 24203100 | EL, 10μF, ±20%, 16V |
| CY305 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY307 | 24108330 | Chip, 33pF |
| CY308 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY330 | 24201101 | EL, 100μF, 6.3V |
| CY331 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY332 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY333 | 24201101 | EL, 100μF, 6.3V |
| CY334 | 24203100 | EL, 10μF, ±20%, 16V |
| CY335 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY337 | 24108330 | Chip, 33pF |
| CY338 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY339 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY340 | 24201101 | EL, 100μF, 6.3V |
| CY341 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY344 | 24203100 | EL, 10μF, ±20%, 16V |
| CY345 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY347 | 24108330 | Chip, 33pF |
| CY348 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY439 | 24108330 | Chip, 33pF |
| CY440 | 24108330 | Chip, 33pF |
| CY501 | 24203101 | EL, 100μF, ±20%, 16V |
| CY502 | 24203100 | EL, 10μF, ±20%, 16V |
| CY505 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CY511 | 24108101 | Chip, 100pF |
| CY515 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY519 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY671 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY672 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY673 | 24761471 | EL, 470μF, ±20%, 6.3V |
| CY674 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY675 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY702 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY703 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY711 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY712 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY713 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY720 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY721 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY722 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY733 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY803 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY804 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CY806 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY807 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY808 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CY813 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY822 | 24108330 | Chip, 33pF |

| Location No. | Part No. | Description |
|---|---|---|
| CY825 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CY826 | 24108330 | Chip, 33pF |
| CY827 | 24108330 | Chip, 33pF |
| CY828 | 24108330 | Chip, 33pF |
| CY829 | 24108330 | Chip, 33pF |
| CY830 | 24108330 | Chip, 33pF |
| CY900 | 24761471 | EL, 470μF, ±20%, 6.3V |
| CY909 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ02 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ03 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ04 | 24105181 | Chip, 180pF |
| CZ05 | 24105680 | Chip, 68pF |
| CZ06 | 24108330 | Chip, 33pF |
| CZ08 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ09 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CZ10 | 24203101 | EL, 100μF, ±20%, 16V |
| CZ11 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ12 | 24105101 | Chip, 100pF |
| CZ13 | 24105101 | Chip, 100pF |
| CZ14 | 24108151 | Chip, 150pF |
| CZ27 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CZ28 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CZ29 | 24092538 | Chip, 1μF, +80%, -20%, 10V |
| CZ30 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ31 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ32 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ33 | 24109102 | Chip, 1000pF, ±10% |
| CZ34 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ35 | 24206010 | EL, 1μF, ±20%, 50V |
| CZ36 | 24761471 | EL, 470μF, ±20%, 6.3V |
| CZ37 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ38 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ39 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ40 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ41 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ42 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ43 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ44 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ45 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ46 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ47 | 24108820 | Chip, 82pF |
| CZ48 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ49 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ50 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ51 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ52 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ54 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ57 | 24105181 | Chip, 180pF |
| CZ58 | 24105560 | Chip, 56pF |
| CZ60 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ77 | 24092730 | Chip, 0.1μF, ±10%, 16V |
| CZ96 | 24105270 | Chip, 27pF |
| CZ101 | 24092441 | Chip, 1μF, +80%, -20%, 16V |
| CZ102 | 24203101 | EL, 100μF, ±20%, 16V |
| CZ103 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ104 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CZ105 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CZ106 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CZ108 | 24100104 | Chip, 0.1μF, +80%, -20%, 25V |
| CZ109 | 24108101 | Chip, 100pF |
| CZ111 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CZ112 | 24105181 | Chip, 180pF |
| CZ113 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| CZ114 | 24109103 | Chip, 0.01μF, ±10%, 25V |

| Location No. | Part No. | Description |
|---|---|---|
| CZ115 | 24105390 | Chip, 39pF |
| CZ116 | 24108470 | Chip, 47pF |
| CZ117 | 24105680 | Chip, 68pF |
| CZ800 | 24108330 | Chip, 33pF |
| CZ802 | 24108330 | Chip, 33pF |
| CZ804 | 24108330 | Chip, 33pF |
| CZ805 | 24108330 | Chip, 33pF |
| CZ806 | 24108330 | Chip, 33pF |
| CZ809 | 24108330 | Chip, 33pF |
| CZ810 | 24108330 | Chip, 33pF |
| CZ811 | 24108330 | Chip, 33pF |
| CZ812 | 24108330 | Chip, 33pF |
| **RESISTORS** | | |
| R101 | 24383183 | OMF, 18k ohm, 2W |
| R150 | 24366101 | CF, 100 ohm |
| R151 | 24366562 | CF, 5600 ohm |
| R152 | 24366103 | CF, 10k ohm |
| R201 | 24011101 | Chip, 100 ohm, 1/20W |
| R202 | 24011471 | Chip, 470 ohm, 1/20W |
| R203 | 24000445 | Chip Jumper, 1680 Type |
| R204 | 24000445 | Chip Jumper, 1680 Type |
| R205 | 24872101 | Chip, 100 ohm, 1/16W |
| R206 | 24872102 | Chip, 1k ohm, 1/16W |
| R207 | 24011101 | Chip, 100 ohm, 1/20W |
| R208 | 24011102 | Chip, 1k ohm, 1/20W |
| R209 | 24011102 | Chip, 1k ohm, 1/20W |
| R210 | 24011102 | Chip, 1k ohm, 1/20W |
| R212 | 24011103 | Chip, 10k ohm, 1/20W |
| R213 | 24011123 | Chip, 12k ohm, 1/20W |
| R214 | 24011222 | Chip, 2200 ohm, 1/20W |
| R215 | 24011101 | Chip, 100 ohm, 1/20W |
| R241 | 24367103 | CF, 10k ohm, ±2% |
| R242 | 24367223 | CF, 22k ohm, ±2% |
| R243 | 24367223 | CF, 22k ohm, ±2% |
| R244 | 24367103 | CF, 10k ohm, ±2% |
| R245 | 24367333 | CF, 33k ohm, ±2% |
| R247 | 24366474 | CF, 470k ohm |
| R248 | 24366393 | CF, 39k ohm |
| R249 | 24367123 | CF, 12k ohm, ±2% |
| R283 | 24011221 | Chip, 220 ohm, 1/20W |
| R284 | 24011221 | Chip, 220 ohm, 1/20W |
| R285 | 24011221 | Chip, 220 ohm, 1/20W |
| R301 | 24366103 | CF, 10k ohm |
| R302 | 24366101 | CF, 100 ohm |
| R303 | 24366102 | CF, 1k ohm |
| R304 | 24366103 | CF, 10k ohm |
| R305 | 24366113 | CF, 11k ohm |
| R307 | 24366471 | CF, 470 ohm |
| R308 | 24366471 | CF, 470 ohm |
| R310 | 24366562 | CF, 5600 ohm |
| R312 | 24366103 | CF, 10k ohm |
| R314 | 24011101 | Chip, 100 ohm, 1/20W |
| R314 | 24366473 | CF, 47k ohm |
| R315 | 24011474 | Chip, 470k ohm, 1/20W |
| R315 | 24366821 | CF, 820 ohm |
| R316 | 24366102 | CF, 1k ohm |
| R318 | 24366153 | CF, 15k ohm |
| R320 | 24000249 | MF, 47k ohm, 1/4W |
| R321 | 24366472 | CF, 4700 ohm |
| R322 | 24000371 | MF, 3600 ohm, 1/4W |
| R323 | 24000639 | MF, 22k ohm, 1/4W |
| R324 | 24366103 | CF, 10k ohm |
| R325 | 24366472 | CF, 4700 ohm |

| Location No. | Part No. | Description |
|---|---|---|
| R326 | 24366103 | CF, 10k ohm |
| R327 | 24366103 | CF, 10k ohm |
| R328 | 24366123 | CF, 12k ohm |
| R329 | 24366103 | CF, 10k ohm |
| R330 | 24019119 | MF, 30k ohm, 1/6W |
| R331 | 24019119 | MF, 30k ohm, 1/6W |
| R332 | 24000525 | MF, 4700 ohm, 1/4W |
| R333 | 24366103 | CF, 10k ohm |
| R334 | 24872102 | Chip, 1k ohm, 1/16W |
| R335 | 24872102 | Chip, 1k ohm, 1/16W |
| R336 | 24872102 | Chip, 1k ohm, 1/16W |
| R337 | 24321129 | MF, 1.2 ohm, 1/2W |
| R338 | 24366183 | CF, 18k ohm |
| R339 | 24366393 | CF, 39k ohm |
| R340 | 24366824 | CF, 820k ohm |
| R341 | 24366273 | CF, 27k ohm |
| R342 | 24366822 | CF, 8200 ohm |
| R343 | 24366102 | CF, 1k ohm |
| R344 | 24382151 | OMF, 150 ohm, 1W |
| R345 | 24322828 | MF, 0.82 ohm, 1W |
| R346 | 24366100 | CF, 10 ohm |
| R346 | 24382391 | OMF, 390 ohm, 1W |
| R347 | 24366103 | CF, 10k ohm |
| R348 | 24366103 | CF, 10k ohm |
| R349 | 24366392 | CF, 3900 ohm |
| R350 | 24366822 | CF, 8200 ohm |
| R351 | 24366472 | CF, 4700 ohm |
| R351 | 24872102 | Chip, 1k ohm, 1/16W |
| R352 | 24872102 | Chip, 1k ohm, 1/16W |
| R353 | 24872103 | Chip, 10k ohm, 1/16W |
| R354 | 24872103 | Chip, 10k ohm, 1/16W |
| R355 | 24872103 | Chip, 10k ohm, 1/16W |
| R357 | 24872472 | Chip, 4700 ohm, 1/16W |
| R358 | 24872103 | Chip, 10k ohm, 1/16W |
| R360 | 24366103 | CF, 10k ohm |
| R361 | 24366103 | CF, 10k ohm |
| R362 | 24366103 | CF, 10k ohm |
| R363 | 24366682 | CF, 6800 ohm |
| R364 | 24366103 | CF, 10k ohm |
| R370 | 24366102 | CF, 1k ohm |
| R371 | 24366823 | CF, 82k ohm |
| R372 | 24366332 | CF, 3300 ohm |
| R373 | 24366823 | CF, 82k ohm |
| R374 | 24366104 | CF, 100k ohm |
| R375 | 24366153 | CF, 15k ohm |
| R376 | 24366333 | CF, 33k ohm |
| R378 | 24366103 | CF, 10k ohm |
| R381 | 24366103 | CF, 10k ohm |
| R382 | 24366682 | CF, 6800 ohm |
| R385 | 24872472 | Chip, 4700 ohm, 1/16W |
| R386 | 24366103 | CF, 10k ohm |
| R387 | 24366102 | CF, 1k ohm |
| R401 | 24011361 | Chip, 360 ohm, 1/20W |
| R402 | 24011103 | Chip, 10k ohm, 1/20W |
| R403 | 24011272 | Chip, 2700 ohm, 1/20W |
| R403 | 24553101 | OMF, 100 ohm, 1W |
| R404 | 24383101 | OMF, 100 ohm, 2W |
| R406 | 24382222 | OMF, 2200 ohm, 1W |
| R407 | 24381100 | OMF, 10 ohm, 1/2W |
| R408 | 24366101 | CF, 100 ohm |
| R409 | 24011102 | Chip, 1k ohm, 1/20W |
| R409 | 24555220 | OMF, 22 ohm, 3W |
| R410 | 24555220 | OMF, 22 ohm, 3W |
| R411 | 24323479 | MF, 4.7 ohm, 2W |

| Location No. | Part No. | Description |
|---|---|---|
| R412 | 24366101 | CF, 100 ohm |
| R413 | 24011182 | Chip, 1800 ohm, 1/20W |
| R413 | 24366272 | CF, 2700 ohm |
| R414 | 24366101 | CF, 100 ohm |
| R416 | 24383680 | OMF, 68 ohm, 2W |
| R417 | 24366101 | CF, 100 ohm |
| R419 | 24942102 | CC, 1k ohm, 1/2W |
| R420 | 24382473 | OMF, 47k ohm, 1W |
| R421 | 24377224 | CF, 220k ohm, 1W |
| R422 | 24376104 | CF, 100k ohm, 1/2W |
| R423 | 24376104 | CF, 100k ohm, 1/2W |
| R424 | 24338398 | MF, 0.39 ohm, 1W |
| R425 | 24533102 | FR, 1k ohm, 2W |
| R426 | 24019254 | FR, 10ohm, 1/4W |
| R427 | 24942102 | CC, 1k ohm, 1/2W |
| R428 | 24310109 | MF, 1.0 ohm, 1/2W |
| R430 | 24383153 | OMF, 15k ohm, 2W |
| R431 | 24383102 | OMF, 1k ohm, 2W |
| R432 | 24376274 | CF, 270k ohm, 1/2W |
| R433 | 24376274 | CF, 270k ohm, 1/2W |
| R434 | 24376274 | CF, 270k ohm, 1/2W |
| R435 | 24366101 | CF, 100 ohm |
| R436 | 24382561 | OMF, 560 ohm, 1W |
| R437 | 24382561 | OMF, 560 ohm, 1W |
| R438 | 24382561 | OMF, 560 ohm, 1W |
| R439 | 24366103 | CF, 10k ohm |
| R440 | 24366103 | CF, 10k ohm |
| R441 | 24366474 | CF, 470k ohm |
| R442 | 24366103 | CF, 10k ohm |
| R443 | 24366562 | CF, 5600 ohm |
| R444 | 24366562 | CF, 5600 ohm |
| R445 | 24366472 | CF, 4700 ohm |
| R446 | 24366103 | CF, 10k ohm |
| R447 | 24366152 | CF, 1500 ohm |
| R452 | 24366103 | CF, 10k ohm |
| R453 | 24366472 | CF, 4700 ohm |
| R454 | 24366562 | CF, 5600 ohm |
| R455 | 24019259 | FR, 27ohm, 1/4W |
| R456 | 24366123 | CF, 12k ohm |
| R457 | 24366472 | CF, 4700 ohm |
| R461 | 24366102 | CF, 1k ohm |
| R462 | 24366472 | CF, 4700 ohm |
| R470 | 24322568 | MF, 0.56 ohm, 1W |
| R471 | 24552271 | OMF, 270 ohm, 1/2W |
| R473 | 24366102 | CF, 1k ohm |
| R482 | 24366331 | CF, 330 ohm |
| R483 | 24366102 | CF, 1k ohm |
| R484 | 24366474 | CF, 470k ohm |
| R485 | 24366103 | CF, 10k ohm |
| R486 | 24366103 | CF, 10k ohm |
| ⚠R487 | 24000529 | MF, 6800 ohm, 1/4W |
| ⚠R488 | 24000360 | MF, 1200ohm, 1/4W |
| R489 | 24366222 | CF, 2200 ohm |
| R490 | 24327223 | MF, 22k ohm, ±1%, 1/4W |
| R491 | 24366823 | CF, 82k ohm |
| R492 | 24366392 | CF, 3900 ohm |
| R493 | 24366224 | CF, 220k ohm |
| ⚠R494 | 24000639 | MF, 22k ohm, 1/4W |
| R495 | 24366103 | CF, 10k ohm |
| R496 | 24366223 | CF, 22k ohm |
| R497 | 24366333 | CF, 33k ohm |
| R498 | 24872103 | Chip, 10k ohm, 1/16W |
| R499 | 24366393 | CF, 39k ohm |
| R501 | 24011303 | Chip, 30k ohm, 1/20W |

| Location No. | Part No. | Description |
|---|---|---|
| R503 | 24011103 | Chip, 10k ohm, 1/20W |
| R505 | 24011152 | Chip, 1500 ohm, 1/20W |
| R506 | 24011272 | Chip, 2700 ohm, 1/20W |
| R508 | 24011102 | Chip, 1k ohm, 1/20W |
| R509 | 24011102 | Chip, 1k ohm, 1/20W |
| R510 | 24011471 | Chip, 470 ohm, 1/20W |
| R511 | 24011103 | Chip, 10k ohm, 1/20W |
| R512 | 24011103 | Chip, 10k ohm, 1/20W |
| R520 | 24011101 | Chip, 100 ohm, 1/20W |
| R520 | 24872101 | Chip, 100 ohm, 1/16W |
| R521 | 24011101 | Chip, 100 ohm, 1/20W |
| R521 | 24872101 | Chip, 100 ohm, 1/16W |
| R522 | 24872102 | Chip, 1k ohm, 1/16W |
| R523 | 24872101 | Chip, 100 ohm, 1/16W |
| R524 | 24872102 | Chip, 1k ohm, 1/16W |
| R525 | 24872101 | Chip, 100 ohm, 1/16W |
| R526 | 24872102 | Chip, 1k ohm, 1/16W |
| R527 | 24872101 | Chip, 100 ohm, 1/16W |
| R530 | 24011103 | Chip, 10k ohm, 1/20W |
| R530 | 24872101 | Chip, 100 ohm, 1/16W |
| R531 | 24011103 | Chip, 10k ohm, 1/20W |
| R531 | 24872101 | Chip, 100 ohm, 1/16W |
| R532 | 24011103 | Chip, 10k ohm, 1/20W |
| R532 | 24872101 | Chip, 100 ohm, 1/16W |
| R533 | 24552471 | OMF, 470 ohm, 1/2W |
| R534 | 24552471 | OMF, 470 ohm, 1/2W |
| R535 | 24552471 | OMF, 470 ohm, 1/2W |
| R536 | 24872272 | Chip, 2700 ohm, 1/16W |
| R537 | 24872472 | Chip, 4700 ohm, 1/16W |
| R538 | 24872103 | Chip, 10k ohm, 1/16W |
| R539 | 24552331 | OMF, 330 ohm, 1/2W |
| R540 | 24872103 | Chip, 10k ohm, 1/16W |
| R562 | 24872101 | Chip, 100 ohm, 1/16W |
| R601 | 24872153 | Chip, 15k ohm, 1/16W |
| R602 | 24872153 | Chip, 15k ohm, 1/16W |
| R603 | 24872183 | Chip, 18k ohm, 1/16W |
| R604 | 24872183 | Chip, 18k ohm, 1/16W |
| R609 | 24872229 | Chip, 2.2 ohm, 1/16W |
| R610 | 24872229 | Chip, 2.2 ohm, 1/16W |
| R611 | 24872562 | Chip, 5600 ohm, 1/16W |
| R612 | 24872562 | Chip, 5600 ohm, 1/16W |
| R613 | 24872222 | Chip, 2200 ohm, 1/16W |
| R621 | 24872101 | Chip, 100 ohm, 1/16W |
| R622 | 24872105 | Chip, 1M ohm, 1/16W |
| R623 | 24872101 | Chip, 100 ohm, 1/16W |
| R624 | 24872101 | Chip, 100 ohm, 1/16W |
| R625 | 24872101 | Chip, 100 ohm, 1/16W |
| R626 | 24872101 | Chip, 100 ohm, 1/16W |
| R627 | 24872101 | Chip, 100 ohm, 1/16W |
| R633 | 24872101 | Chip, 100 ohm, 1/16W |
| R634 | 24872101 | Chip, 100 ohm, 1/16W |
| R635 | 24872101 | Chip, 100 ohm, 1/16W |
| R636 | 24872101 | Chip, 100 ohm, 1/16W |
| R637 | 24872101 | Chip, 100 ohm, 1/16W |
| R638 | 24872101 | Chip, 100 ohm, 1/16W |
| R639 | 24872101 | Chip, 100 ohm, 1/16W |
| R640 | 24872101 | Chip, 100 ohm, 1/16W |
| R641 | 24872101 | Chip, 100 ohm, 1/16W |
| R642 | 24872101 | Chip, 100 ohm, 1/16W |
| R643 | 24872101 | Chip, 100 ohm, 1/16W |
| R661 | 24872101 | Chip, 100 ohm, 1/16W |
| R662 | 24872332 | Chip, 3300 ohm, 1/16W |
| R663 | 24872472 | Chip, 4700 ohm, 1/16W |
| R665 | 24872223 | Chip, 22k ohm, 1/16W |

| Location No. | Part No. | Description |
|---|---|---|
| R666 | 24872473 | Chip, 47k ohm, 1/16W |
| R667 | 24872223 | Chip, 22k ohm, 1/16W |
| R668 | 24872473 | Chip, 47k ohm, 1/16W |
| R669 | 24872222 | Chip, 2200 ohm, 1/16W |
| R671 | 24872101 | Chip, 100 ohm, 1/16W |
| R672 | 24872332 | Chip, 3300 ohm, 1/16W |
| R673 | 24872472 | Chip, 4700 ohm, 1/16W |
| R674 | 24872103 | Chip, 10k ohm, 1/16W |
| R675 | 24872473 | Chip, 47k ohm, 1/16W |
| R682 | 24872473 | Chip, 47k ohm, 1/16W |
| R683 | 24872223 | Chip, 22k ohm, 1/16W |
| R684 | 24872223 | Chip, 22k ohm, 1/16W |
| R687 | 24872103 | Chip, 10k ohm, 1/16W |
| R689 | 24872222 | Chip, 2200 ohm, 1/16W |
| R690 | 24872103 | Chip, 10k ohm, 1/16W |
| R702 | 24552221 | OMF, 220 ohm, 1/2W |
| R709 | 24366563 | CF, 56k ohm |
| R713 | 24366273 | CF, 27k ohm |
| R715 | 24366333 | CF, 33k ohm |
| R716 | 24366223 | CF, 22k ohm |
| R717 | 24366333 | CF, 33k ohm |
| R718 | 24366101 | CF, 100 ohm |
| R719 | 24366100 | CF, 10 ohm |
| R720 | 24552331 | OMF, 330 ohm, 1/2W |
| R722 | 24552471 | OMF, 470 ohm, 1/2W |
| R723 | 24366101 | CF, 100 ohm |
| R724 | 24366221 | CF, 220 ohm |
| R725 | 24366182 | CF, 1800 ohm |
| R730 | 24552100 | OMF, 10 ohm, 1/2W |
| R731 | 24552331 | OMF, 330 ohm, 1/2W |
| R732 | 24366470 | CF, 47 ohm |
| R733 | 24366683 | CF, 68k ohm |
| R734 | 24366470 | CF, 47 ohm |
| R735 | 24366683 | CF, 68k ohm |
| R736 | 24553270 | OMF, 27 ohm, 1W |
| R737 | 24366751 | CF, 750 ohm |
| R738 | 24366102 | CF, 1k ohm |
| R739 | 24366751 | CF, 750 ohm |
| R740 | 24553270 | OMF, 27 ohm, 1W |
| R741 | 24322399 | MF, 3.9 ohm, 1W |
| R742 | 24321399 | MF, 3.9 ohm, 1/2W |
| R743 | 24554221 | OMF, 220 ohm, 2W |
| R744 | 24366122 | CF, 1200 ohm |
| R745 | 24366122 | CF, 1200 ohm |
| R761 | 24366273 | CF, 27k ohm |
| R762 | 24366563 | CF, 56k ohm |
| R763 | 24552331 | OMF, 330 ohm, 1/2W |
| R764 | 24366470 | CF, 47 ohm |
| R765 | 24552100 | OMF, 10 ohm, 1/2W |
| R766 | 24366470 | CF, 47 ohm |
| R767 | 24552221 | OMF, 220 ohm, 1/2W |
| R768 | 24366751 | CF, 750 ohm |
| R769 | 24366122 | CF, 1200 ohm |
| R770 | 24553270 | OMF, 27 ohm, 1W |
| R771 | 24322399 | MF, 3.9 ohm, 1W |
| R772 | 24366683 | CF, 68k ohm |
| R773 | 24366683 | CF, 68k ohm |
| R774 | 24366751 | CF, 750 ohm |
| R775 | 24366122 | CF, 1200 ohm |
| R776 | 24553270 | OMF, 27 ohm, 1W |
| R777 | 24321399 | MF, 3.9 ohm, 1/2W |
| R778 | 24366102 | CF, 1k ohm |
| R779 | 24554221 | OMF, 220 ohm, 2W |
| R781 | 24366273 | CF, 27k ohm |

| Location No. | Part No. | Description |
|---|---|---|
| R782 | 24366563 | CF, 56k ohm |
| R783 | 24552221 | OMF, 220 ohm, 1/2W |
| R784 | 24552100 | OMF, 10 ohm, 1/2W |
| R785 | 24366470 | CF, 47 ohm |
| R786 | 24366751 | CF, 750 ohm |
| R787 | 24366122 | CF, 1200 ohm |
| R788 | 24366683 | CF, 68k ohm |
| R789 | 24366683 | CF, 68k ohm |
| R790 | 24366751 | CF, 750 ohm |
| R791 | 24366122 | CF, 1200 ohm |
| R792 | 24366102 | CF, 1k ohm |
| R793 | 24321399 | MF, 3.9 ohm, 1/2W |
| R794 | 24553270 | OMF, 27 ohm, 1W |
| R795 | 24322399 | MF, 3.9 ohm, 1W |
| R796 | 24554221 | OMF, 220 ohm, 2W |
| R797 | 24366470 | CF, 47 ohm |
| R798 | 24552331 | OMF, 330 ohm, 1/2W |
| R799 | 24553270 | OMF, 27 ohm, 1W |
| R810 | 24045006 | Cement, 4.7 ohm, 7W |
| R811 | 24007061 | Cement, 1.8 ohm, ±10%, 2W |
| R812 | 24382820 | OMF, 82 ohm, 1W |
| R818 | 24366683 | CF, 68k ohm |
| R825 | 24545109 | FR, 1 ohm, 1/4W |
| R827 | 24366104 | CF, 100k ohm |
| R843 | 24366473 | CF, 47k ohm |
| R854 | 24382121 | OMF, 120 ohm, 1W |
| R856 | 24366152 | CF, 1500 ohm |
| R857 | 24552682 | OMF, 6800 ohm, 1/2W |
| R858 | 24366102 | CF, 1k ohm |
| R859 | 24553333 | OMF, 33k ohm, 1W |
| R860 | 24554223 | OMF, 22k ohm, 2W |
| R861 | 24554273 | OMF, 27k ohm, 2W |
| R862 | 24310689 | MF, 6.8 ohm, 1/2W |
| R863 | 24366101 | CF, 100 ohm |
| R864 | 24552102 | OMF, 1k ohm, 1/2W |
| R865 | 24552390 | OMF, 39 ohm, 1/2W |
| R866 | 24366393 | CF, 39k ohm |
| R867 | 24366102 | CF, 1k ohm |
| R868 | 24552470 | OMF, 47 ohm, 1/2W |
| R869 | 24366100 | CF, 10 ohm |
| R870 | 24381121 | OMF, 120 ohm, 1/2W |
| R871 | 24382680 | OMF, 68 ohm, 1W |
| R873 | 24366109 | CF, 1 ohm |
| R892 | 24366102 | CF, 1k ohm |
| R898 | 24002000 | CC, 3.9M ohm, ±10%, 1/2W |
| R900 | 24000945 | FR, 1.8 ohm, 2W |
| R901 | 24366101 | CF, 100 ohm |
| R902 | 24366331 | CF, 330 ohm |
| R903 | 24942102 | CC, 1k ohm, 1/2W |
| R904 | 24366222 | CF, 2200 ohm |
| R905 | 24366330 | CF, 33 ohm |
| R906 | 24366331 | CF, 330 ohm |
| R908 | 24366470 | CF, 47 ohm |
| R909 | 24366390 | CF, 39 ohm |
| R910 | 24322228 | MF, 0.22 ohm, 1W |
| R911 | 24366101 | CF, 100 ohm |
| R913 | 24942102 | CC, 1k ohm, 1/2W |
| R914 | 24366222 | CF, 2200 ohm |
| R915 | 24366270 | CF, 27 ohm |
| R916 | 24366331 | CF, 330 ohm |
| R917 | 24366331 | CF, 330 ohm |
| R918 | 24366330 | CF, 33 ohm |
| R919 | 24366330 | CF, 33 ohm |
| R920 | 24366153 | CF, 15k ohm |

| Location No. | Part No. | Description |
|---|---|---|
| R921 | 24366101 | CF, 100 ohm |
| R922 | 24366331 | CF, 330 ohm |
| R923 | 24942102 | CC, 1k ohm, 1/2W |
| R924 | 24366222 | CF, 2200 ohm |
| R925 | 24366390 | CF, 39 ohm |
| R926 | 24366331 | CF, 330 ohm |
| R927 | 24366100 | CF, 10 ohm |
| R928 | 24366470 | CF, 47 ohm |
| R929 | 24366390 | CF, 39 ohm |
| R930 | 24366153 | CF, 15k ohm |
| R931 | 24383153 | OMF, 15k ohm, 2W |
| R932 | 24383153 | OMF, 15k ohm, 2W |
| R935 | 24366150 | CF, 15 ohm |
| R936 | 24383153 | OMF, 15k ohm, 2W |
| R937 | 24383153 | OMF, 15k ohm, 2W |
| R938 | 24366150 | CF, 15 ohm |
| R941 | 24554153 | OMF, 15k ohm, 2W |
| R942 | 24554153 | OMF, 15k ohm, 2W |
| R943 | 24554153 | OMF, 15k ohm, 2W |
| R944 | 24383153 | OMF, 15k ohm, 2W |
| R945 | 24366150 | CF, 15 ohm |
| R948 | 24366562 | CF, 5600 ohm |
| R949 | 24366153 | CF, 15k ohm |
| R951 | 24554153 | OMF, 15k ohm, 2W |
| R952 | 24554153 | OMF, 15k ohm, 2W |
| R953 | 24554153 | OMF, 15k ohm, 2W |
| R954 | 24383153 | OMF, 15k ohm, 2W |
| R956 | 24366101 | CF, 100 ohm |
| R959 | 24366150 | CF, 15 ohm |
| R961 | 24366122 | CF, 1200 ohm |
| R962 | 24366681 | CF, 680 ohm |
| R963 | 24366222 | CF, 2200 ohm |
| R964 | 24366272 | CF, 2700 ohm |
| R965 | 24366471 | CF, 470 ohm |
| R966 | 24366331 | CF, 330 ohm |
| R967 | 24366681 | CF, 680 ohm |
| R968 | 24366470 | CF, 47 ohm |
| R969 | 24366683 | CF, 68k ohm |
| R970 | 24366393 | CF, 39k ohm |
| R971 | 24367821 | CF, 820 ohm, ±2% |
| R972 | 24367471 | CF, 470 ohm, ±2% |
| R973 | 24367681 | CF, 680 ohm, ±2% |
| R974 | 24367681 | CF, 680 ohm, ±2% |
| R975 | 24366561 | CF, 560 ohm |
| R976 | 24367472 | CF, 4700 ohm, ±2% |
| R977 | 24367512 | CF, 5100 ohm, ±2% |
| R978 | 24367391 | CF, 390 ohm, ±2% |
| R979 | 24366272 | CF, 2700 ohm |
| R983 | 24366681 | CF, 680 ohm |
| R984 | 24366821 | CF, 820 ohm |
| R985 | 24366821 | CF, 820 ohm |
| R986 | 24366821 | CF, 820 ohm |
| R987 | 24366470 | CF, 47 ohm |
| R991 | 24366822 | CF, 8200 ohm |
| R992 | 24366153 | CF, 15k ohm |
| R4005 | 24366102 | CF, 1k ohm |
| R4006 | 24366103 | CF, 10k ohm |
| R4007 | 24366102 | CF, 1k ohm |
| R4008 | 24366101 | CF, 100 ohm |
| R4009 | 24366105 | CF, 1M ohm |
| R4010 | 24366102 | CF, 1k ohm |
| R4011 | 24366103 | CF, 10k ohm |
| R4012 | 24366472 | CF, 4700 ohm |
| R4013 | 24366103 | CF, 10k ohm |

| Location No. | Part No. | Description |
|---|---|---|
| R4014 | 24366222 | CF, 2200 ohm |
| R4015 | 24000633 | MF, 10k ohm, 1/4W |
| R4016 | 24366105 | CF, 1M ohm |
| R4017 | 24000631 | MF, 8200 ohm, 1/4W |
| R4020 | 24000370 | MF, 3300 ohm, 1/4W |
| R4021 | 24000637 | MF, 15k ohm, 1/4W |
| R4022 | 24000368 | MF, 2700 ohm, 1/4W |
| R4023 | 24366472 | CF, 4700 ohm |
| R4025 | 24000366 | MF, 2200 ohm, 1/4W |
| R4026 | 24383470 | OMF, 47 ohm, 2W |
| R4030 | 24366102 | CF, 1k ohm |
| R4031 | 24366562 | CF, 5600 ohm |
| R4032 | 24000639 | MF, 22k ohm, 1/4W |
| R4033 | 24019090 | MF, 300k ohm, 1/4W |
| R4034 | 24366222 | CF, 2200 ohm |
| R4035 | 24366103 | CF, 10k ohm |
| R4036 | 24366102 | CF, 1k ohm |
| R4037 | 24366182 | CF, 1800 ohm |
| R4044 | 24000639 | MF, 22k ohm, 1/4W |
| R4051 | 24000372 | MF, 3900 ohm, 1/4W |
| R4052 | 24000147 | MF, 470 ohm, 1/4W |
| R4053 | 24366472 | CF, 4700 ohm |
| R4054 | 24366472 | CF, 4700 ohm |
| R4055 | 24066864 | VR, 5k ohm, 0.3W |
| R4056 | 24000372 | MF, 3900 ohm, 1/4W |
| R4057 | 24366222 | CF, 2200 ohm |
| R4061 | 24000529 | MF, 6800 ohm, 1/4W |
| R4062 | 24000633 | MF, 10k ohm, 1/4W |
| R4402 | 24011105 | Chip, 1M ohm, 1/20W |
| R4406 | 24872622 | Chip, 6200 ohm, 1/16W |
| R4407 | 24872361 | Chip, 360 ohm, 1/16W |
| R4416 | 24872471 | Chip, 470 ohm, 1/16W |
| R4417 | 24872471 | Chip, 470 ohm, 1/16W |
| R4420 | 24872103 | Chip, 10k ohm, 1/16W |
| R4422 | 24872222 | Chip, 2200 ohm, 1/16W |
| R4423 | 24872472 | Chip, 4700 ohm, 1/16W |
| R4424 | 24872103 | Chip, 10k ohm, 1/16W |
| R4501 | 24872101 | Chip, 100 ohm, 1/16W |
| R4503 | 24872102 | Chip, 1k ohm, 1/16W |
| R4504 | 24872102 | Chip, 1k ohm, 1/16W |
| R4505 | 24872223 | Chip, 22k ohm, 1/16W |
| R4506 | 24872103 | Chip, 10k ohm, 1/16W |
| R4507 | 24872103 | Chip, 10k ohm, 1/16W |
| R4508 | 24872102 | Chip, 1k ohm, 1/16W |
| R4509 | 24872561 | Chip, 560 ohm, 1/16W |
| R4510 | 24872152 | Chip, 1500 ohm, 1/16W |
| R4511 | 24872102 | Chip, 1k ohm, 1/16W |
| R4512 | 24872103 | Chip, 10k ohm, 1/16W |
| R4513 | 24872222 | Chip, 2200 ohm, 1/16W |
| R4514 | 24872361 | Chip, 360 ohm, 1/16W |
| R4515 | 24872622 | Chip, 6200 ohm, 1/16W |
| R4516 | 24872102 | Chip, 1k ohm, 1/16W |
| R4521 | 24872102 | Chip, 1k ohm, 1/16W |
| R4522 | 24872102 | Chip, 1k ohm, 1/16W |
| R4523 | 24872102 | Chip, 1k ohm, 1/16W |
| R4524 | 24872103 | Chip, 10k ohm, 1/16W |
| R4525 | 24872103 | Chip, 10k ohm, 1/16W |
| R4526 | 24872103 | Chip, 10k ohm, 1/16W |
| R4527 | 24872102 | Chip, 1k ohm, 1/16W |
| R4528 | 24872102 | Chip, 1k ohm, 1/16W |
| R7701 | 24872104 | Chip, 100k ohm, 1/16W |
| R7705 | 24872154 | Chip, 150k ohm, 1/16W |
| R7707 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7708 | 24872472 | Chip, 4700 ohm, 1/16W |

| Location No. | Part No. | Description |
|---|---|---|
| R7710 | 24384680 | OMF, 68 ohm, 3W |
| R7711 | 24323129 | MF, 1.2 ohm, 2W |
| R7712 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7713 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7715 | 24384680 | OMF, 68 ohm, 3W |
| R7716 | 24323129 | MF, 1.2 ohm, 2W |
| R7717 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7718 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7720 | 24384680 | OMF, 68 ohm, 3W |
| R7721 | 24323129 | MF, 1.2 ohm, 2W |
| R7722 | 24872473 | Chip, 47k ohm, 1/16W |
| R7723 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7725 | 24384680 | OMF, 68 ohm, 3W |
| R7726 | 24323129 | MF, 1.2 ohm, 2W |
| R7727 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7728 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7730 | 24384680 | OMF, 68 ohm, 3W |
| R7731 | 24323129 | MF, 1.2 ohm, 2W |
| R7732 | 24872473 | Chip, 47k ohm, 1/16W |
| R7733 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7735 | 24384680 | OMF, 68 ohm, 3W |
| R7736 | 24323129 | MF, 1.2 ohm, 2W |
| R7741 | 24872471 | Chip, 470 ohm, 1/16W |
| R7742 | 24872222 | Chip, 2200 ohm, 1/16W |
| R7743 | 24872223 | Chip, 22k ohm, 1/16W |
| R7744 | 24872102 | Chip, 1k ohm, 1/16W |
| R7745 | 24872222 | Chip, 2200 ohm, 1/16W |
| R7746 | 24872223 | Chip, 22k ohm, 1/16W |
| R7747 | 24872222 | Chip, 2200 ohm, 1/16W |
| R7749 | 24872331 | Chip, 330 ohm, 1/16W |
| R7750 | 24323228 | MF, 0.22 ohm, 2W |
| R7751 | 24872471 | Chip, 470 ohm, 1/16W |
| R7757 | 24872223 | Chip, 22k ohm, 1/16W |
| R7758 | 24872222 | Chip, 2200 ohm, 1/16W |
| R7760 | 24872103 | Chip, 10k ohm, 1/16W |
| R7761 | 24872333 | Chip, 33k ohm, 1/16W |
| R7762 | 24872103 | Chip, 10k ohm, 1/16W |
| R7763 | 24872471 | Chip, 470 ohm, 1/16W |
| R7764 | 24872331 | Chip, 330 ohm, 1/16W |
| R7765 | 24323338 | MF, 0.33 ohm, 2W |
| R7766 | 24872223 | Chip, 22k ohm, 1/16W |
| R7767 | 24872153 | Chip, 15k ohm, 1/16W |
| R7775 | 24872273 | Chip, 27k ohm, 1/16W |
| R7776 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7777 | 24872273 | Chip, 27k ohm, 1/16W |
| R7778 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7779 | 24872102 | Chip, 1k ohm, 1/16W |
| R7780 | 24872102 | Chip, 1k ohm, 1/16W |
| R7781 | 24872333 | Chip, 33k ohm, 1/16W |
| R7793 | 24872153 | Chip, 15k ohm, 1/16W |
| R7797 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7798 | 24872103 | Chip, 10k ohm, 1/16W |
| R7799 | 24872222 | Chip, 2200 ohm, 1/16W |
| R7864 | 24872221 | Chip, 220 ohm, 1/16W |
| R7865 | 24872332 | Chip, 3300 ohm, 1/16W |
| R7866 | 24872332 | Chip, 3300 ohm, 1/16W |
| R7867 | 24872332 | Chip, 3300 ohm, 1/16W |
| R7872 | 24872474 | Chip, 470k ohm, 1/16W |
| R7873 | 24872332 | Chip, 3300 ohm, 1/16W |
| R7880 | 24872221 | Chip, 220 ohm, 1/16W |
| R7881 | 24872472 | Chip, 4700 ohm, 1/16W |
| R7882 | 24872103 | Chip, 10k ohm, 1/16W |
| R7883 | 24872103 | Chip, 10k ohm, 1/16W |
| R7884 | 24872103 | Chip, 10k ohm, 1/16W |

| Location No. | Part No. | Description |
|---|---|---|
| R7885 | 24872103 | Chip, 10k ohm, 1/16W |
| R7886 | 24872224 | Chip, 220k ohm, 1/16W |
| R7887 | 24872562 | Chip, 5600 ohm, 1/16W |
| R7890 | 24872471 | Chip, 470 ohm, 1/16W |
| R7891 | 24872471 | Chip, 470 ohm, 1/16W |
| R9501 | 24366470 | CF, 47 ohm |
| R9502 | 24366470 | CF, 47 ohm |
| R9503 | 24366681 | CF, 680 ohm |
| R9504 | 24366683 | CF, 68k ohm |
| R9505 | 24366393 | CF, 39k ohm |
| R9506 | 24366681 | CF, 680 ohm |
| R9601 | 24366121 | CF, 120 ohm |
| R9602 | 24366622 | CF, 6200 ohm |
| R9603 | 24366392 | CF, 3900 ohm |
| R9604 | 24366272 | CF, 2700 ohm |
| R9605 | 24366682 | CF, 6800 ohm |
| R9606 | 24366202 | CF, 2k ohm |
| R9607 | 24366470 | CF, 47 ohm |
| R9608 | 24366681 | CF, 680 ohm |
| R9609 | 24366683 | CF, 68k ohm |
| R9610 | 24366393 | CF, 39k ohm |
| R9611 | 24366681 | CF, 680 ohm |
| R9612 | 24366470 | CF, 47 ohm |
| R9613 | 24366270 | CF, 27 ohm |
| R9614 | 24366300 | CF, 30 ohm |
| R9701 | 24366103 | CF, 10k ohm |
| R9702 | 24366103 | CF, 10k ohm |
| R9703 | 24366103 | CF, 10k ohm |
| R9705 | 24366822 | CF, 8200 ohm |
| R9706 | 24366682 | CF, 6800 ohm |
| R9707 | 24366391 | CF, 390 ohm |
| R9708 | 24366152 | CF, 1500 ohm |
| R9709 | 24366271 | CF, 270 ohm |
| R9710 | 24366272 | CF, 2700 ohm |
| R9711 | 24366472 | CF, 4700 ohm |
| R9712 | 24366272 | CF, 2700 ohm |
| R9713 | 24366102 | CF, 1k ohm |
| R9714 | 24366102 | CF, 1k ohm |
| R9715 | 24366102 | CF, 1k ohm |
| RA01 | 24872102 | Chip, 1k ohm, 1/16W |
| RA02 | 24872101 | Chip, 100 ohm, 1/16W |
| RA03 | 24872101 | Chip, 100 ohm, 1/16W |
| RA04 | 24872102 | Chip, 1k ohm, 1/16W |
| RA05 | 24872102 | Chip, 1k ohm, 1/16W |
| RA06 | 24872102 | Chip, 1k ohm, 1/16W |
| RA07 | 24872102 | Chip, 1k ohm, 1/16W |
| RA08 | 24872102 | Chip, 1k ohm, 1/16W |
| RA09 | 24872102 | Chip, 1k ohm, 1/16W |
| RA10 | 24872102 | Chip, 1k ohm, 1/16W |
| RA11 | 24872102 | Chip, 1k ohm, 1/16W |
| RA12 | 24872102 | Chip, 1k ohm, 1/16W |
| RA13 | 24872102 | Chip, 1k ohm, 1/16W |
| RA14 | 24872103 | Chip, 10k ohm, 1/16W |
| RA15 | 24872102 | Chip, 1k ohm, 1/16W |
| RA16 | 24872102 | Chip, 1k ohm, 1/16W |
| RA17 | 24872102 | Chip, 1k ohm, 1/16W |
| RA18 | 24872103 | Chip, 10k ohm, 1/16W |
| RA19 | 24872102 | Chip, 1k ohm, 1/16W |
| RA26 | 24872101 | Chip, 100 ohm, 1/16W |
| RA27 | 24872101 | Chip, 100 ohm, 1/16W |
| RA29 | 24872102 | Chip, 1k ohm, 1/16W |
| RA30 | 24872102 | Chip, 1k ohm, 1/16W |
| RA31 | 24872102 | Chip, 1k ohm, 1/16W |
| RA32 | 24872102 | Chip, 1k ohm, 1/16W |

| Location No. | Part No. | Description |
|---|---|---|
| RA33 | 24872102 | Chip, 1k ohm, 1/16W |
| RA34 | 24872102 | Chip, 1k ohm, 1/16W |
| RA35 | 24872102 | Chip, 1k ohm, 1/16W |
| RA36 | 24872471 | Chip, 470 ohm, 1/16W |
| RA39 | 24872102 | Chip, 1k ohm, 1/16W |
| RA46 | 24872332 | Chip, 3300 ohm, 1/16W |
| RA47 | 24872332 | Chip, 3300 ohm, 1/16W |
| RA48 | 24872101 | Chip, 100 ohm, 1/16W |
| RA49 | 24872332 | Chip, 3300 ohm, 1/16W |
| RA50 | 24872682 | Chip, 6800 ohm, 1/16W |
| RA51 | 24872151 | Chip, 150 ohm, 1/16W |
| RA52 | 24872103 | Chip, 10k ohm, 1/16W |
| RA54 | 24872332 | Chip, 3300 ohm, 1/16W |
| RA56 | 24872102 | Chip, 1k ohm, 1/16W |
| RA59 | 24872101 | Chip, 100 ohm, 1/16W |
| RA60 | 24872101 | Chip, 100 ohm, 1/16W |
| RA61 | 24872103 | Chip, 10k ohm, 1/16W |
| RA71 | 24872102 | Chip, 1k ohm, 1/16W |
| RA72 | 24872332 | Chip, 3300 ohm, 1/16W |
| RA73 | 24872332 | Chip, 3300 ohm, 1/16W |
| RA74 | 24872153 | Chip, 15k ohm, 1/16W |
| RA75 | 24872153 | Chip, 15k ohm, 1/16W |
| RA76 | 24872103 | Chip, 10k ohm, 1/16W |
| RA77 | 24872103 | Chip, 10k ohm, 1/16W |
| RA78 | 24872333 | Chip, 33k ohm, 1/16W |
| RA79 | 24872333 | Chip, 33k ohm, 1/16W |
| RA80 | 24872101 | Chip, 100 ohm, 1/16W |
| RA81 | 24366683 | CF, 68k ohm |
| RA82 | 24366223 | CF, 22k ohm |
| RA83 | 24366103 | CF, 10k ohm |
| RA86 | 24366822 | CF, 8200 ohm |
| RA87 | 24366153 | CF, 15k ohm |
| RA88 | 24366273 | CF, 27k ohm |
| RA99 | 24366102 | CF, 1k ohm |
| RB01 | 24872101 | Chip, 100 ohm, 1/16W |
| RB02 | 24872101 | Chip, 100 ohm, 1/16W |
| RB03 | 24872101 | Chip, 100 ohm, 1/16W |
| RB09 | 24872103 | Chip, 10k ohm, 1/16W |
| RB10 | 24872101 | Chip, 100 ohm, 1/16W |
| RB11 | 24366271 | CF, 270 ohm |
| RB11 | 24872101 | Chip, 100 ohm, 1/16W |
| RB12 | 24872101 | Chip, 100 ohm, 1/16W |
| RB13 | 24872103 | Chip, 10k ohm, 1/16W |
| RB14 | 24366103 | CF, 10k ohm |
| RB14 | 24872153 | Chip, 15k ohm, 1/16W |
| RB15 | 24366471 | CF, 470 ohm |
| RB15 | 24872153 | Chip, 15k ohm, 1/16W |
| RB16 | 24872332 | Chip, 3300 ohm, 1/16W |
| RB17 | 24872332 | Chip, 3300 ohm, 1/16W |
| RB19 | 24366470 | CF, 47 ohm |
| RB33 | 24872102 | Chip, 1k ohm, 1/16W |
| RB37 | 24872101 | Chip, 100 ohm, 1/16W |
| RB38 | 24872101 | Chip, 100 ohm, 1/16W |
| RB41 | 24366151 | CF, 150 ohm |
| RB41 | 24366273 | CF, 27k ohm |
| RB42 | 24366153 | CF, 15k ohm |
| RB43 | 24872473 | Chip, 47k ohm, 1/16W |
| RB61 | 24872222 | Chip, 2200 ohm, 1/16W |
| RB62 | 24872103 | Chip, 10k ohm, 1/16W |
| RB65 | 24872392 | Chip, 3900 ohm, 1/16W |
| RB90 | 24872392 | Chip, 3900 ohm, 1/16W |
| RB91 | 24872473 | Chip, 47k ohm, 1/16W |
| RB92 | 24872273 | Chip, 27k ohm, 1/16W |
| RB93 | 24872273 | Chip, 27k ohm, 1/16W |

| Location No. | Part No. | Description |
|---|---|---|
| RB94 | 24872222 | Chip, 2200 ohm, 1/16W |
| RB95 | 24872222 | Chip, 2200 ohm, 1/16W |
| RB96 | 24872273 | Chip, 27k ohm, 1/16W |
| RB97 | 24872273 | Chip, 27k ohm, 1/16W |
| RB98 | 24872102 | Chip, 1k ohm, 1/16W |
| RD02 | 24366101 | CF, 100 ohm |
| RD03 | 24366101 | CF, 100 ohm |
| RD05 | 24366432 | CF, 4300 ohm |
| RD06 | 24366102 | CF, 1k ohm |
| RD07 | 24366114 | CF, 110k ohm |
| RD08 | 24366132 | CF, 1300 ohm |
| RD09 | 24366473 | CF, 47k ohm |
| RD10 | 24366513 | CF, 51k ohm |
| RD11 | 24366392 | CF, 3900 ohm |
| RD12 | 24366101 | CF, 100 ohm |
| RD14 | 24366101 | CF, 100 ohm |
| RD19 | 24366101 | CF, 100 ohm |
| RD20 | 24366101 | CF, 100 ohm |
| RD21 | 24366122 | CF, 1200 ohm |
| RD22 | 24366821 | CF, 820 ohm |
| RD23 | 24366152 | CF, 1500 ohm |
| RD24 | 24366681 | CF, 680 ohm |
| RH002 | 24872473 | Chip, 47k ohm, 1/16W |
| RH003 | 24872473 | Chip, 47k ohm, 1/16W |
| RH004 | 24872221 | Chip, 220 ohm, 1/16W |
| RH005 | 24872221 | Chip, 220 ohm, 1/16W |
| RH006 | 24872221 | Chip, 220 ohm, 1/16W |
| RH007 | 24872221 | Chip, 220 ohm, 1/16W |
| RH008 | 24872221 | Chip, 220 ohm, 1/16W |
| RH009 | 24872103 | Chip, 10k ohm, 1/16W |
| RH041 | 24872101 | Chip, 100 ohm, 1/16W |
| RH042 | 24872101 | Chip, 100 ohm, 1/16W |
| RH043 | 24872101 | Chip, 100 ohm, 1/16W |
| RH044 | 24872101 | Chip, 100 ohm, 1/16W |
| RH045 | 24872101 | Chip, 100 ohm, 1/16W |
| RH046 | 24872101 | Chip, 100 ohm, 1/16W |
| RH047 | 24872101 | Chip, 100 ohm, 1/16W |
| RH048 | 24872101 | Chip, 100 ohm, 1/16W |
| RH051 | 24872222 | Chip, 2200 ohm, 1/16W |
| RH061 | 24872561 | Chip, 560 ohm, 1/16W |
| RH062 | 24872102 | Chip, 1k ohm, 1/16W |
| RH063 | 24872103 | Chip, 10k ohm, 1/16W |
| RH064 | 24872103 | Chip, 10k ohm, 1/16W |
| RH170 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH171 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH172 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH173 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH174 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH175 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH176 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH177 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH178 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH179 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH180 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH181 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH182 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH183 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH184 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH185 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH186 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH187 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH188 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH189 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH190 | 24872122 | Chip, 1200 ohm, 1/16W |

| Location No. | Part No. | Description |
|---|---|---|
| RH191 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH192 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH193 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH194 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH195 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH196 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH197 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH198 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH199 | 24872122 | Chip, 1200 ohm, 1/16W |
| RH201 | 24872472 | Chip, 4700 ohm, 1/16W |
| RH202 | 24872472 | Chip, 4700 ohm, 1/16W |
| RH205 | 24872472 | Chip, 4700 ohm, 1/16W |
| RH206 | 24872472 | Chip, 4700 ohm, 1/16W |
| RH207 | 24872331 | Chip, 330 ohm, 1/16W |
| RH208 | 24872221 | Chip, 220 ohm, 1/16W |
| RH209 | 24872102 | Chip, 1k ohm, 1/16W |
| RH210 | 24872102 | Chip, 1k ohm, 1/16W |
| RH211 | 24872473 | Chip, 47k ohm, 1/16W |
| RH212 | 24872473 | Chip, 47k ohm, 1/16W |
| RH213 | 24872103 | Chip, 10k ohm, 1/16W |
| RR08 | 24872102 | Chip, 1k ohm, 1/16W |
| RR09 | 24872102 | Chip, 1k ohm, 1/16W |
| RR10 | 24872102 | Chip, 1k ohm, 1/16W |
| RR11 | 24872101 | Chip, 100 ohm, 1/16W |
| RR12 | 24872101 | Chip, 100 ohm, 1/16W |
| RR13 | 24872101 | Chip, 100 ohm, 1/16W |
| RR14 | 24872103 | Chip, 10k ohm, 1/16W |
| RR15 | 24872151 | Chip, 150 ohm, 1/16W |
| RR16 | 24872151 | Chip, 150 ohm, 1/16W |
| RR17 | 24872151 | Chip, 150 ohm, 1/16W |
| RR18 | 24872102 | Chip, 1k ohm, 1/16W |
| RR31 | 24872101 | Chip, 100 ohm, 1/16W |
| RR52 | 24872102 | Chip, 1k ohm, 1/16W |
| RR53 | 24872471 | Chip, 470 ohm, 1/16W |
| RR54 | 24872102 | Chip, 1k ohm, 1/16W |
| RR55 | 24872471 | Chip, 470 ohm, 1/16W |
| RR56 | 24872102 | Chip, 1k ohm, 1/16W |
| RR57 | 24872471 | Chip, 470 ohm, 1/16W |
| RR61 | 24872222 | Chip, 2200 ohm, 1/16W |
| RR62 | 24872222 | Chip, 2200 ohm, 1/16W |
| RR63 | 24872222 | Chip, 2200 ohm, 1/16W |
| RS02 | 24366472 | CF, 4700 ohm |
| RS04 | 24366102 | CF, 1k ohm |
| RS06 | 24366102 | CF, 1k ohm |
| RS07 | 24366103 | CF, 10k ohm |
| RS08 | 24366103 | CF, 10k ohm |
| RS09 | 24366102 | CF, 1k ohm |
| RS10 | 24366102 | CF, 1k ohm |
| RS12 | 24366103 | CF, 10k ohm |
| RS21 | 24366104 | CF, 100k ohm |
| RS22 | 24366104 | CF, 100k ohm |
| RS25 | 24366223 | CF, 22k ohm |
| RS26 | 24366223 | CF, 22k ohm |
| RS27 | 24366471 | CF, 470 ohm |
| RS28 | 24366471 | CF, 470 ohm |
| RS29 | 24366104 | CF, 100k ohm |
| RS30 | 24366104 | CF, 100k ohm |
| RS31 | 24366103 | CF, 10k ohm |
| RS32 | 24366104 | CF, 100k ohm |
| RS33 | 24366222 | CF, 2200 ohm |
| RS34 | 24366222 | CF, 2200 ohm |
| RS35 | 24366103 | CF, 10k ohm |
| RS36 | 24366103 | CF, 10k ohm |
| RS37 | 24366101 | CF, 100 ohm |

| Location No. | Part No. | Description |
|---|---|---|
| RS40 | 24366101 | CF, 100 ohm |
| RS42 | 24366101 | CF, 100 ohm |
| RS48 | 24366101 | CF, 100 ohm |
| RS49 | 24366103 | CF, 10k ohm |
| RS51 | 24366103 | CF, 10k ohm |
| RS52 | 24366103 | CF, 10k ohm |
| RS53 | 24366103 | CF, 10k ohm |
| RS54 | 24366103 | CF, 10k ohm |
| RV01 | 24366472 | CF, 4700 ohm |
| RV03 | 24366101 | CF, 100 ohm |
| RV04 | 24366101 | CF, 100 ohm |
| RV11 | 24366100 | CF, 10 ohm |
| RV12 | 24366100 | CF, 10 ohm |
| RV13 | 24366100 | CF, 10 ohm |
| RV15 | 24366222 | CF, 2200 ohm |
| RV16 | 24366750 | CF, 75 ohm |
| RV17 | 24366750 | CF, 75 ohm |
| RV18 | 24366750 | CF, 75 ohm |
| RV19 | 24366332 | CF, 3300 ohm |
| RV24 | 24366750 | CF, 75 ohm |
| RV25 | 24366750 | CF, 75 ohm |
| RV26 | 24366750 | CF, 75 ohm |
| RV28 | 24366472 | CF, 4700 ohm |
| RV29 | 24366472 | CF, 4700 ohm |
| RV31 | 24366332 | CF, 3300 ohm |
| RV31 | 24872101 | Chip, 100 ohm, 1/16W |
| RV32 | 24366750 | CF, 75 ohm |
| RV32 | 24872101 | Chip, 100 ohm, 1/16W |
| RV63 | 24366102 | CF, 1k ohm |
| RV64 | 24366750 | CF, 75 ohm |
| RV65 | 24366750 | CF, 75 ohm |
| RV67 | 24366750 | CF, 75 ohm |
| RV74 | 24366750 | CF, 75 ohm |
| RV81 | 24366472 | CF, 4700 ohm |
| RV83 | 24366332 | CF, 3300 ohm |
| RV84 | 24366750 | CF, 75 ohm |
| RV85 | 24552181 | OMF, 180 ohm, 1/2W |
| RV89 | 24366680 | CF, 68 ohm |
| RV93 | 24366101 | CF, 100 ohm |
| RV97 | 24366221 | CF, 220 ohm |
| RV117 | 24366750 | CF, 75 ohm |
| RV118 | 24366750 | CF, 75 ohm |
| RV119 | 24366750 | CF, 75 ohm |
| RV124 | 24366392 | CF, 3900 ohm |
| RV125 | 24366123 | CF, 12k ohm |
| RV126 | 24366274 | CF, 270k ohm |
| RV127 | 24366331 | CF, 330 ohm |
| RV128 | 24366472 | CF, 4700 ohm |
| RV140 | 24366103 | CF, 10k ohm |
| RV141 | 24366302 | CF, 3k ohm |
| RV142 | 24366103 | CF, 10k ohm |
| RV143 | 24366103 | CF, 10k ohm |
| RV169 | 24872102 | Chip, 1k ohm, 1/16W |
| RV178 | 24872152 | Chip, 1500 ohm, 1/16W |
| RV179 | 24872472 | Chip, 4700 ohm, 1/16W |
| RV180 | 24872472 | Chip, 4700 ohm, 1/16W |
| RV181 | 24872101 | Chip, 100 ohm, 1/16W |
| RV182 | 24872101 | Chip, 100 ohm, 1/16W |
| RV183 | 24872101 | Chip, 100 ohm, 1/16W |
| RV184 | 24872182 | Chip, 1800 ohm, 1/16W |
| RV185 | 24872182 | Chip, 1800 ohm, 1/16W |
| RV186 | 24872182 | Chip, 1800 ohm, 1/16W |
| RV510 | 24011102 | Chip, 1k ohm, 1/20W |
| RV511 | 24011472 | Chip, 4700 ohm, 1/20W |

| Location No. | Part No. | Description |
|---|---|---|
| RV520 | 24011472 | Chip, 4700 ohm, 1/20W |
| RV521 | 24011472 | Chip, 4700 ohm, 1/20W |
| RV522 | 24011472 | Chip, 4700 ohm, 1/20W |
| RV523 | 24011101 | Chip, 100 ohm, 1/20W |
| RV525 | 24011101 | Chip, 100 ohm, 1/20W |
| RV527 | 24011101 | Chip, 100 ohm, 1/20W |
| RV529 | 24011472 | Chip, 4700 ohm, 1/20W |
| RV530 | 24011472 | Chip, 4700 ohm, 1/20W |
| RV531 | 24011472 | Chip, 4700 ohm, 1/20W |
| RV532 | 24011101 | Chip, 100 ohm, 1/20W |
| RV533 | 24011101 | Chip, 100 ohm, 1/20W |
| RV534 | 24011101 | Chip, 100 ohm, 1/20W |
| RV544 | 24011103 | Chip, 10k ohm, 1/20W |
| RV545 | 24011103 | Chip, 10k ohm, 1/20W |
| RV546 | 24011103 | Chip, 10k ohm, 1/20W |
| RW10 | 24872102 | Chip, 1k ohm, 1/16W |
| RW30 | 24872102 | Chip, 1k ohm, 1/16W |
| RW40 | 24366182 | CF, 1800 ohm |
| RW45 | 24366103 | CF, 10k ohm |
| RX11 | 24872221 | Chip, 220 ohm, 1/16W |
| RX12 | 24872221 | Chip, 220 ohm, 1/16W |
| RX101 | 24011101 | Chip, 100 ohm, 1/20W |
| RX102 | 24011222 | Chip, 2200 ohm, 1/20W |
| RX103 | 24011123 | Chip, 12k ohm, 1/20W |
| RX104 | 24011562 | Chip, 5600 ohm, 1/20W |
| RX105 | 24872331 | Chip, 330 ohm, 1/16W |
| RX106 | 24011151 | Chip, 150 ohm, 1/20W |
| RX107 | 24011331 | Chip, 330 ohm, 1/20W |
| RX108 | 24011123 | Chip, 12k ohm, 1/20W |
| RX109 | 24011562 | Chip, 5600 ohm, 1/20W |
| RX110 | 24872431 | Chip, 430 ohm, 1/16W |
| RX111 | 24011470 | Chip, 47 ohm, 1/20W |
| RX112 | 24871681 | Chip, 680 ohm, 1/8W |
| RX113 | 24011121 | Chip, 120 ohm, 1/20W |
| RX114 | 24011471 | Chip, 470 ohm, 1/20W |
| RX115 | 24011272 | Chip, 2700 ohm, 1/20W |
| RX116 | 24872102 | Chip, 1k ohm, 1/16W |
| RX119 | 24011102 | Chip, 1k ohm, 1/20W |
| RX121 | 24871471 | Chip, 470 ohm, 1/8W |
| RX122 | 24011471 | Chip, 470 ohm, 1/20W |
| RX123 | 24872471 | Chip, 470 ohm, 1/16W |
| RX124 | 24011100 | Chip, 10 ohm, 1/20W |
| RX131 | 24011101 | Chip, 100 ohm, 1/20W |
| RX132 | 24011222 | Chip, 2200 ohm, 1/20W |
| RX133 | 24011123 | Chip, 12k ohm, 1/20W |
| RX134 | 24011562 | Chip, 5600 ohm, 1/20W |
| RX135 | 24872331 | Chip, 330 ohm, 1/16W |
| RX136 | 24011151 | Chip, 150 ohm, 1/20W |
| RX137 | 24011331 | Chip, 330 ohm, 1/20W |
| RX138 | 24011123 | Chip, 12k ohm, 1/20W |
| RX139 | 24011562 | Chip, 5600 ohm, 1/20W |
| RX140 | 24872431 | Chip, 430 ohm, 1/16W |
| RX141 | 24011470 | Chip, 47 ohm, 1/20W |
| RX142 | 24871681 | Chip, 680 ohm, 1/8W |
| RX143 | 24011121 | Chip, 120 ohm, 1/20W |
| RX144 | 24011471 | Chip, 470 ohm, 1/20W |
| RX146 | 24872102 | Chip, 1k ohm, 1/16W |
| RX149 | 24011102 | Chip, 1k ohm, 1/20W |
| RX151 | 24011102 | Chip, 1k ohm, 1/20W |
| RX152 | 24011471 | Chip, 470 ohm, 1/20W |
| RX153 | 24872331 | Chip, 330 ohm, 1/16W |
| RX154 | 24011100 | Chip, 10 ohm, 1/20W |
| RX161 | 24011101 | Chip, 100 ohm, 1/20W |
| RX162 | 24011222 | Chip, 2200 ohm, 1/20W |

| Location No. | Part No. | Description |
|---|---|---|
| RX163 | 24011123 | Chip, 12k ohm, 1/20W |
| RX164 | 24011562 | Chip, 5600 ohm, 1/20W |
| RX165 | 24872331 | Chip, 330 ohm, 1/16W |
| RX166 | 24011151 | Chip, 150 ohm, 1/20W |
| RX167 | 24011331 | Chip, 330 ohm, 1/20W |
| RX168 | 24011123 | Chip, 12k ohm, 1/20W |
| RX169 | 24011562 | Chip, 5600 ohm, 1/20W |
| RX170 | 24872431 | Chip, 430 ohm, 1/16W |
| RX171 | 24011470 | Chip, 47 ohm, 1/20W |
| RX172 | 24871681 | Chip, 680 ohm, 1/8W |
| RX173 | 24011121 | Chip, 120 ohm, 1/20W |
| RX174 | 24011471 | Chip, 470 ohm, 1/20W |
| RX176 | 24872102 | Chip, 1k ohm, 1/16W |
| RX179 | 24011102 | Chip, 1k ohm, 1/20W |
| RX181 | 24011102 | Chip, 1k ohm, 1/20W |
| RX182 | 24011471 | Chip, 470 ohm, 1/20W |
| RX183 | 24872331 | Chip, 330 ohm, 1/16W |
| RX184 | 24011100 | Chip, 10 ohm, 1/20W |
| RX191 | 24011102 | Chip, 1k ohm, 1/20W |
| RX192 | 24011100 | Chip, 10 ohm, 1/20W |
| RX193 | 24871331 | Chip, 330 ohm, 1/8W |
| RX195 | 24011100 | Chip, 10 ohm, 1/20W |
| RX196 | 24011100 | Chip, 10 ohm, 1/20W |
| RX199 | 24011101 | Chip, 100 ohm, 1/20W |
| RX201 | 24011101 | Chip, 100 ohm, 1/20W |
| RX202 | 24011221 | Chip, 220 ohm, 1/20W |
| RX203 | 24011102 | Chip, 1k ohm, 1/20W |
| RX204 | 24011101 | Chip, 100 ohm, 1/20W |
| RX205 | 24011102 | Chip, 1k ohm, 1/20W |
| RX211 | 24871100 | Chip, 10 ohm, 1/8W |
| RX219 | 24011100 | Chip, 10 ohm, 1/20W |
| RX220 | 24011562 | Chip, 5600 ohm, 1/20W |
| RX221 | 24011272 | Chip, 2700 ohm, 1/20W |
| RX224 | 24011151 | Chip, 150 ohm, 1/20W |
| RX225 | 24011121 | Chip, 120 ohm, 1/20W |
| RX227 | 24011100 | Chip, 10 ohm, 1/20W |
| RX228 | 24011100 | Chip, 10 ohm, 1/20W |
| RX229 | 24011100 | Chip, 10 ohm, 1/20W |
| RX241 | 24011152 | Chip, 1500 ohm, 1/20W |
| RX244 | 24011471 | Chip, 470 ohm, 1/20W |
| RX245 | 24011681 | Chip, 680 ohm, 1/20W |
| RX246 | 24011152 | Chip, 1500 ohm, 1/20W |
| RX247 | 24011100 | Chip, 10 ohm, 1/20W |
| RX248 | 24011100 | Chip, 10 ohm, 1/20W |
| RX249 | 24011100 | Chip, 10 ohm, 1/20W |
| RX301 | 24011103 | Chip, 10k ohm, 1/20W |
| RX302 | 24011103 | Chip, 10k ohm, 1/20W |
| RX303 | 24011103 | Chip, 10k ohm, 1/20W |
| RX304 | 24011103 | Chip, 10k ohm, 1/20W |
| RX306 | 24011100 | Chip, 10 ohm, 1/20W |
| RX307 | 24011101 | Chip, 100 ohm, 1/20W |
| RX308 | 24011100 | Chip, 10 ohm, 1/20W |
| RX309 | 24011103 | Chip, 10k ohm, 1/20W |
| RX310 | 24011100 | Chip, 10 ohm, 1/20W |
| RX311 | 24011100 | Chip, 10 ohm, 1/20W |
| RX313 | 24011100 | Chip, 10 ohm, 1/20W |
| RX317 | 24011100 | Chip, 10 ohm, 1/20W |
| RX319 | 24011100 | Chip, 10 ohm, 1/20W |
| RX320 | 24011103 | Chip, 10k ohm, 1/20W |
| RX321 | 24011103 | Chip, 10k ohm, 1/20W |
| RX322 | 24011103 | Chip, 10k ohm, 1/20W |
| RX323 | 24011103 | Chip, 10k ohm, 1/20W |
| RX326 | 24011100 | Chip, 10 ohm, 1/20W |
| RX328 | 24011103 | Chip, 10k ohm, 1/20W |

| Location No. | Part No. | Description |
|---|---|---|
| RX330 | 24011100 | Chip, 10 ohm, 1/20W |
| RX331 | 24011100 | Chip, 10 ohm, 1/20W |
| RX332 | 24011100 | Chip, 10 ohm, 1/20W |
| RX333 | 24011100 | Chip, 10 ohm, 1/20W |
| RX334 | 24011100 | Chip, 10 ohm, 1/20W |
| RX335 | 24011100 | Chip, 10 ohm, 1/20W |
| RX336 | 24011103 | Chip, 10k ohm, 1/20W |
| RX337 | 24011100 | Chip, 10 ohm, 1/20W |
| RX338 | 24011100 | Chip, 10 ohm, 1/20W |
| RX339 | 24011100 | Chip, 10 ohm, 1/20W |
| RX340 | 24019439 | Chip, 47 ohm, 1/16W |
| RX341 | 24019439 | Chip, 47 ohm, 1/16W |
| RX342 | 24019439 | Chip, 47 ohm, 1/16W |
| RX343 | 24019439 | Chip, 47 ohm, 1/16W |
| RX344 | 24011470 | Chip, 47 ohm, 1/20W |
| RX345 | 24019439 | Chip, 47 ohm, 1/16W |
| RX346 | 24019439 | Chip, 47 ohm, 1/16W |
| RX347 | 24019439 | Chip, 47 ohm, 1/16W |
| RX348 | 24019439 | Chip, 47 ohm, 1/16W |
| RX349 | 24019439 | Chip, 47 ohm, 1/16W |
| RX350 | 24019439 | Chip, 47 ohm, 1/16W |
| RX351 | 24019439 | Chip, 47 ohm, 1/16W |
| RX352 | 24019439 | Chip, 47 ohm, 1/16W |
| RX357 | 24011511 | Chip, 510 ohm, 1/20W |
| RX358 | 24011470 | Chip, 47 ohm, 1/20W |
| RX360 | 24011101 | Chip, 100 ohm, 1/20W |
| RX363 | 24011511 | Chip, 510 ohm, 1/20W |
| RX364 | 24011470 | Chip, 47 ohm, 1/20W |
| RX366 | 24011101 | Chip, 100 ohm, 1/20W |
| RX370 | 24011181 | Chip, 180 ohm, 1/20W |
| RX371 | 24011220 | Chip, 22 ohm, 1/20W |
| RX372 | 24011272 | Chip, 2700 ohm, 1/20W |
| RX373 | 24011272 | Chip, 2700 ohm, 1/20W |
| RX374 | 24011122 | Chip, 1200 ohm, 1/20W |
| RX375 | 24011181 | Chip, 180 ohm, 1/20W |
| RX376 | 24011220 | Chip, 22 ohm, 1/20W |
| RX377 | 24011272 | Chip, 2700 ohm, 1/20W |
| RX378 | 24011272 | Chip, 2700 ohm, 1/20W |
| RX379 | 24011122 | Chip, 1200 ohm, 1/20W |
| RX380 | 24011181 | Chip, 180 ohm, 1/20W |
| RX381 | 24011220 | Chip, 22 ohm, 1/20W |
| RX382 | 24011272 | Chip, 2700 ohm, 1/20W |
| RX383 | 24011272 | Chip, 2700 ohm, 1/20W |
| RX384 | 24011122 | Chip, 1200 ohm, 1/20W |
| RX399 | 24011100 | Chip, 10 ohm, 1/20W |
| RX403 | 24011101 | Chip, 100 ohm, 1/20W |
| RX404 | 24871101 | Chip, 100 ohm, 1/8W |
| RX405 | 24011101 | Chip, 100 ohm, 1/20W |
| RX406 | 24871471 | Chip, 470 ohm, 1/8W |
| RX520 | 24011100 | Chip, 10 ohm, 1/20W |
| RX521 | 24011222 | Chip, 2200 ohm, 1/20W |
| RX522 | 24011121 | Chip, 120 ohm, 1/20W |
| RX523 | 24011681 | Chip, 680 ohm, 1/20W |
| RX524 | 24871681 | Chip, 680 ohm, 1/8W |
| RX525 | 24000445 | Chip Jumper, 1680 Type |
| RX530 | 24011100 | Chip, 10 ohm, 1/20W |
| RX531 | 24011222 | Chip, 2200 ohm, 1/20W |
| RX532 | 24011121 | Chip, 120 ohm, 1/20W |
| RX533 | 24011471 | Chip, 470 ohm, 1/20W |
| RX534 | 24871681 | Chip, 680 ohm, 1/8W |
| RX535 | 24000445 | Chip Jumper, 1680 Type |
| RX540 | 24011100 | Chip, 10 ohm, 1/20W |
| RX541 | 24011222 | Chip, 2200 ohm, 1/20W |
| RX542 | 24011121 | Chip, 120 ohm, 1/20W |

| Location No. | Part No. | Description |
|---|---|---|
| RX543 | 24011471 | Chip, 470 ohm, 1/20W |
| RX544 | 24871681 | Chip, 680 ohm, 1/8W |
| RX545 | 24000445 | Chip Jumper, 1680 Type |
| RX601 | 24011100 | Chip, 10 ohm, 1/20W |
| RX811 | 24011471 | Chip, 470 ohm, 1/20W |
| RX812 | 24011471 | Chip, 470 ohm, 1/20W |
| RX821 | 24011151 | Chip, 150 ohm, 1/20W |
| RX822 | 24011151 | Chip, 150 ohm, 1/20W |
| RX823 | 24011151 | Chip, 150 ohm, 1/20W |
| RX824 | 24011101 | Chip, 100 ohm, 1/20W |
| RX825 | 24011101 | Chip, 100 ohm, 1/20W |
| RX826 | 24011681 | Chip, 680 ohm, 1/20W |
| RX827 | 24011101 | Chip, 100 ohm, 1/20W |
| RX829 | 24011102 | Chip, 1k ohm, 1/20W |
| RX831 | 24000445 | Chip Jumper, 1680 Type |
| RX832 | 24011100 | Chip, 10 ohm, 1/20W |
| RX833 | 24011100 | Chip, 10 ohm, 1/20W |
| RX844 | 24011101 | Chip, 100 ohm, 1/20W |
| RX845 | 24011101 | Chip, 100 ohm, 1/20W |
| RX890 | 24011682 | Chip, 6800 ohm, 1/20W |
| RX891 | 24011103 | Chip, 10k ohm, 1/20W |
| RX892 | 24011472 | Chip, 4700 ohm, 1/20W |
| RX893 | 24011682 | Chip, 6800 ohm, 1/20W |
| RX894 | 24011103 | Chip, 10k ohm, 1/20W |
| RX895 | 24011472 | Chip, 4700 ohm, 1/20W |
| RX896 | 24011101 | Chip, 100 ohm, 1/20W |
| RX897 | 24000445 | Chip Jumper, 1680 Type |
| RX899 | 24011101 | Chip, 100 ohm, 1/20W |
| RX924 | 24011223 | Chip, 22k ohm, 1/20W |
| RX934 | 24011223 | Chip, 22k ohm, 1/20W |
| RX942 | 24011103 | Chip, 10k ohm, 1/20W |
| RX944 | 24011223 | Chip, 22k ohm, 1/20W |
| RY01 | 24011102 | Chip, 1k ohm, 1/20W |
| RY02 | 24011471 | Chip, 470 ohm, 1/20W |
| RY09 | 24011102 | Chip, 1k ohm, 1/20W |
| RY10 | 24011102 | Chip, 1k ohm, 1/20W |
| RY20 | 24011101 | Chip, 100 ohm, 1/20W |
| RY21 | 24011101 | Chip, 100 ohm, 1/20W |
| RY22 | 24011153 | Chip, 15k ohm, 1/20W |
| RY23 | 24011332 | Chip, 3300 ohm, 1/20W |
| RY24 | 24011102 | Chip, 1k ohm, 1/20W |
| RY25 | 24011102 | Chip, 1k ohm, 1/20W |
| RY26 | 24011331 | Chip, 330 ohm, 1/20W |
| RY27 | 24011330 | Chip, 33 ohm, 1/20W |
| RY28 | 24011153 | Chip, 15k ohm, 1/20W |
| RY31 | 24011101 | Chip, 100 ohm, 1/20W |
| RY32 | 24011330 | Chip, 33 ohm, 1/20W |
| RY33 | 24011330 | Chip, 33 ohm, 1/20W |
| RY68 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY69 | 24011682 | Chip, 6800 ohm, 1/20W |
| RY79 | 24011103 | Chip, 10k ohm, 1/20W |
| RY80 | 24366331 | CF, 330 ohm |
| RY81 | 24366101 | CF, 100 ohm |
| RY82 | 24366102 | CF, 1k ohm |
| RY87 | 24366100 | CF, 10 ohm |
| RY105 | 24011331 | Chip, 330 ohm, 1/20W |
| RY106 | 24011101 | Chip, 100 ohm, 1/20W |
| RY109 | 24011331 | Chip, 330 ohm, 1/20W |
| RY110 | 24011102 | Chip, 1k ohm, 1/20W |
| RY113 | 24011331 | Chip, 330 ohm, 1/20W |
| RY114 | 24011102 | Chip, 1k ohm, 1/20W |
| RY120 | 24011821 | Chip, 820 ohm, 1/20W |
| RY121 | 24011681 | Chip, 680 ohm, 1/20W |
| RY122 | 24871471 | Chip, 470 ohm, 1/8W |

| Location No. | Part No. | Description |
|---|---|---|
| RY123 | 24011561 | Chip, 560 ohm, 1/20W |
| RY124 | 24011272 | Chip, 2700 ohm, 1/20W |
| RY125 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY126 | 24011561 | Chip, 560 ohm, 1/20W |
| RY127 | 24011272 | Chip, 2700 ohm, 1/20W |
| RY128 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY129 | 24011222 | Chip, 2200 ohm, 1/20W |
| RY131 | 24011101 | Chip, 100 ohm, 1/20W |
| RY132 | 24011101 | Chip, 100 ohm, 1/20W |
| RY133 | 24011101 | Chip, 100 ohm, 1/20W |
| RY134 | 24011101 | Chip, 100 ohm, 1/20W |
| RY135 | 24011101 | Chip, 100 ohm, 1/20W |
| RY136 | 24011101 | Chip, 100 ohm, 1/20W |
| RY138 | 24011331 | Chip, 330 ohm, 1/20W |
| RY139 | 24011222 | Chip, 2200 ohm, 1/20W |
| RY140 | 24011392 | Chip, 3900 ohm, 1/20W |
| RY150 | 24011102 | Chip, 1k ohm, 1/20W |
| RY151 | 24011471 | Chip, 470 ohm, 1/20W |
| RY152 | 24011102 | Chip, 1k ohm, 1/20W |
| RY154 | 24011473 | Chip, 47k ohm, 1/20W |
| RY155 | 24011102 | Chip, 1k ohm, 1/20W |
| RY156 | 24011182 | Chip, 1800 ohm, 1/20W |
| RY157 | 24011102 | Chip, 1k ohm, 1/20W |
| RY190 | 24011103 | Chip, 10k ohm, 1/20W |
| RY220 | 24011821 | Chip, 820 ohm, 1/20W |
| RY221 | 24011681 | Chip, 680 ohm, 1/20W |
| RY222 | 24871471 | Chip, 470 ohm, 1/8W |
| RY223 | 24011561 | Chip, 560 ohm, 1/20W |
| RY224 | 24011272 | Chip, 2700 ohm, 1/20W |
| RY225 | 24011102 | Chip, 1k ohm, 1/20W |
| RY226 | 24011561 | Chip, 560 ohm, 1/20W |
| RY227 | 24011272 | Chip, 2700 ohm, 1/20W |
| RY228 | 24011102 | Chip, 1k ohm, 1/20W |
| RY230 | 24011101 | Chip, 100 ohm, 1/20W |
| RY231 | 24011101 | Chip, 100 ohm, 1/20W |
| RY232 | 24011101 | Chip, 100 ohm, 1/20W |
| RY233 | 24011101 | Chip, 100 ohm, 1/20W |
| RY256 | 24011101 | Chip, 100 ohm, 1/20W |
| RY257 | 24011101 | Chip, 100 ohm, 1/20W |
| RY300 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY301 | 24011221 | Chip, 220 ohm, 1/20W |
| RY302 | 24011102 | Chip, 1k ohm, 1/20W |
| RY303 | 24011273 | Chip, 27k ohm, 1/20W |
| RY304 | 24011102 | Chip, 1k ohm, 1/20W |
| RY305 | 24011331 | Chip, 330 ohm, 1/20W |
| RY306 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY307 | 24011102 | Chip, 1k ohm, 1/20W |
| RY308 | 24011181 | Chip, 180 ohm, 1/20W |
| RY310 | 24011103 | Chip, 10k ohm, 1/20W |
| RY311 | 24011103 | Chip, 10k ohm, 1/20W |
| RY312 | 24011103 | Chip, 10k ohm, 1/20W |
| RY313 | 24011103 | Chip, 10k ohm, 1/20W |
| RY330 | 24011182 | Chip, 1800 ohm, 1/20W |
| RY331 | 24011221 | Chip, 220 ohm, 1/20W |
| RY332 | 24000445 | Chip Jumper, 1680 Type |
| RY333 | 24011273 | Chip, 27k ohm, 1/20W |
| RY334 | 24011331 | Chip, 330 ohm, 1/20W |
| RY335 | 24011331 | Chip, 330 ohm, 1/20W |
| RY336 | 24011122 | Chip, 1200 ohm, 1/20W |
| RY337 | 24011102 | Chip, 1k ohm, 1/20W |
| RY338 | 24011181 | Chip, 180 ohm, 1/20W |
| RY339 | 24011155 | Chip, 1.5M ohm, 1/20W |
| RY340 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY341 | 24011221 | Chip, 220 ohm, 1/20W |

| Location No. | Part No. | Description |
|---|---|---|
| RY342 | 24011102 | Chip, 1k ohm, 1/20W |
| RY343 | 24011273 | Chip, 27k ohm, 1/20W |
| RY344 | 24011102 | Chip, 1k ohm, 1/20W |
| RY345 | 24011331 | Chip, 330 ohm, 1/20W |
| RY346 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY347 | 24011102 | Chip, 1k ohm, 1/20W |
| RY348 | 24011181 | Chip, 180 ohm, 1/20W |
| RY349 | 24011155 | Chip, 1.5M ohm, 1/20W |
| RY385 | 24011103 | Chip, 10k ohm, 1/20W |
| RY386 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY388 | 24011622 | Chip, 6200 ohm, 1/20W |
| RY400 | 24011103 | Chip, 10k ohm, 1/20W |
| RY401 | 24011103 | Chip, 10k ohm, 1/20W |
| RY426 | 24011103 | Chip, 10k ohm, 1/20W |
| RY440 | 24011103 | Chip, 10k ohm, 1/20W |
| RY510 | 24011102 | Chip, 1k ohm, 1/20W |
| RY511 | 24011472 | Chip, 4700 ohm, 1/20W |
| RY520 | 24011472 | Chip, 4700 ohm, 1/20W |
| RY521 | 24011472 | Chip, 4700 ohm, 1/20W |
| RY522 | 24011472 | Chip, 4700 ohm, 1/20W |
| RY523 | 24011101 | Chip, 100 ohm, 1/20W |
| RY525 | 24011101 | Chip, 100 ohm, 1/20W |
| RY527 | 24011101 | Chip, 100 ohm, 1/20W |
| RY529 | 24011472 | Chip, 4700 ohm, 1/20W |
| RY530 | 24011472 | Chip, 4700 ohm, 1/20W |
| RY531 | 24011472 | Chip, 4700 ohm, 1/20W |
| RY532 | 24011101 | Chip, 100 ohm, 1/20W |
| RY533 | 24011101 | Chip, 100 ohm, 1/20W |
| RY534 | 24011101 | Chip, 100 ohm, 1/20W |
| RY544 | 24011103 | Chip, 10k ohm, 1/20W |
| RY545 | 24011103 | Chip, 10k ohm, 1/20W |
| RY546 | 24011103 | Chip, 10k ohm, 1/20W |
| RY550 | 24011100 | Chip, 10 ohm, 1/20W |
| RY551 | 24011100 | Chip, 10 ohm, 1/20W |
| RY671 | 24011103 | Chip, 10k ohm, 1/20W |
| RY673 | 24011103 | Chip, 10k ohm, 1/20W |
| RY674 | 24011103 | Chip, 10k ohm, 1/20W |
| RY675 | 24011103 | Chip, 10k ohm, 1/20W |
| RY676 | 24011103 | Chip, 10k ohm, 1/20W |
| RY677 | 24011103 | Chip, 10k ohm, 1/20W |
| RY703 | 24011103 | Chip, 10k ohm, 1/20W |
| RY721 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY722 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY723 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY741 | 24011101 | Chip, 100 ohm, 1/20W |
| RY742 | 24011101 | Chip, 100 ohm, 1/20W |
| RY743 | 24011101 | Chip, 100 ohm, 1/20W |
| RY747 | 24011102 | Chip, 1k ohm, 1/20W |
| RY751 | 24011222 | Chip, 2200 ohm, 1/20W |
| RY752 | 24011222 | Chip, 2200 ohm, 1/20W |
| RY753 | 24011222 | Chip, 2200 ohm, 1/20W |
| RY760 | 24011152 | Chip, 1500 ohm, 1/20W |
| RY761 | 24011682 | Chip, 6800 ohm, 1/20W |
| RY762 | 24011103 | Chip, 10k ohm, 1/20W |
| RY764 | 24011102 | Chip, 1k ohm, 1/20W |
| RY767 | 24011101 | Chip, 100 ohm, 1/20W |
| RY771 | 24011101 | Chip, 100 ohm, 1/20W |
| RY773 | 24011101 | Chip, 100 ohm, 1/20W |
| RY775 | 24011101 | Chip, 100 ohm, 1/20W |
| RY804 | 24011333 | Chip, 33k ohm, 1/20W |
| RY805 | 24011153 | Chip, 15k ohm, 1/20W |
| RY806 | 24011101 | Chip, 100 ohm, 1/20W |
| RY808 | 24011100 | Chip, 10 ohm, 1/20W |
| RY810 | 24011101 | Chip, 100 ohm, 1/20W |

| Location No. | Part No. | Description |
|---|---|---|
| RY909 | 24011103 | Chip, 10k ohm, 1/20W |
| RZ01 | 24011330 | Chip, 33 ohm, 1/20W |
| RZ02 | 24011152 | Chip, 1500 ohm, 1/20W |
| RZ03 | 24011682 | Chip, 6800 ohm, 1/20W |
| RZ04 | 24011392 | Chip, 3900 ohm, 1/20W |
| RZ05 | 24011122 | Chip, 1200 ohm, 1/20W |
| RZ06 | 24011431 | Chip, 430 ohm, 1/20W |
| RZ07 | 24871331 | Chip, 330 ohm, 1/8W |
| RZ08 | 24011151 | Chip, 150 ohm, 1/20W |
| RZ09 | 24011330 | Chip, 33 ohm, 1/20W |
| RZ10 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ11 | 24011561 | Chip, 560 ohm, 1/20W |
| RZ12 | 24011182 | Chip, 1800 ohm, 1/20W |
| RZ13 | 24011392 | Chip, 3900 ohm, 1/20W |
| RZ14 | 24011123 | Chip, 12k ohm, 1/20W |
| RZ15 | 24011151 | Chip, 150 ohm, 1/20W |
| RZ16 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ17 | 24871181 | Chip, 180 ohm, 1/8W |
| RZ18 | 24011121 | Chip, 120 ohm, 1/20W |
| RZ21 | 24011271 | Chip, 270 ohm, 1/20W |
| RZ26 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ28 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ30 | 24000445 | Chip Jumper, 1680 Type |
| RZ31 | 24011104 | Chip, 100k ohm, 1/20W |
| RZ32 | 24000445 | Chip Jumper, 1680 Type |
| RZ33 | 24011101 | Chip, 100 ohm, 1/20W |
| RZ34 | 24011101 | Chip, 100 ohm, 1/20W |
| RZ49 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ60 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ64 | 24011221 | Chip, 220 ohm, 1/20W |
| RZ65 | 24011224 | Chip, 220k ohm, 1/20W |
| RZ66 | 24011223 | Chip, 22k ohm, 1/20W |
| RZ67 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ68 | 24011222 | Chip, 2200 ohm, 1/20W |
| RZ69 | 24011153 | Chip, 15k ohm, 1/20W |
| RZ70 | 24011472 | Chip, 4700 ohm, 1/20W |
| RZ71 | 24011101 | Chip, 100 ohm, 1/20W |
| RZ72 | 24011103 | Chip, 10k ohm, 1/20W |
| RZ73 | 24011103 | Chip, 10k ohm, 1/20W |
| RZ74 | 24872229 | Chip, 2.2 ohm, 1/16W |
| RZ101 | 24011101 | Chip, 100 ohm, 1/20W |
| RZ102 | 24011221 | Chip, 220 ohm, 1/20W |
| RZ103 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ104 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ105 | 24011821 | Chip, 820 ohm, 1/20W |
| RZ106 | 24000445 | Chip Jumper, 1680 Type |
| RZ107 | 24011751 | Chip, 750 ohm, 1/20W |
| RZ109 | 24011102 | Chip, 1k ohm, 1/20W |
| RZ110 | 24011152 | Chip, 1500 ohm, 1/20W |
| RZ243 | 24011220 | Chip, 22 ohm, 1/20W |
| RZ244 | 24011152 | Chip, 1500 ohm, 1/20W |
| RZ245 | 24011220 | Chip, 22 ohm, 1/20W |
| RZ246 | 24011152 | Chip, 1500 ohm, 1/20W |
| RZ265 | 24011472 | Chip, 4700 ohm, 1/20W |
| RZ266 | 24011103 | Chip, 10k ohm, 1/20W |
| RZ800 | 24871330 | Chip, 33 ohm, 1/8W |
| RZ802 | 24871330 | Chip, 33 ohm, 1/8W |
| RZ804 | 24011330 | Chip, 33 ohm, 1/20W |

## COILS & TRANSFORMERS

| | | |
|---|---|---|
| L101 | 23289680 | Coil, Peaking, TRF4680AF |
| L103 | 23289470 | Coil, Peaking, TRF4470AF |
| L111 | 23289680 | Coil, Peaking, TRF4680AF |
| L113 | 23289220 | Coil, Peaking, TRF4220AF |

| Location No. | Part No. | Description |
|---|---|---|
| L115 | 23103852 | Coil, Filter, TEM2028AH |
| L121 | 23238562 | Coil, Peaking, TRF4109AJ |
| L122 | 23238562 | Coil, Peaking, TRF4109AJ |
| L301 | 23237975 | Coil, Peaking, TRF4101AC |
| L302 | 23248073 | Coil, Choke, TLN3299D |
| L303 | 23248073 | Coil, Choke, TLN3299D |
| L304 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L305 | 23103775 | Coil (Ferrite Bead), TEM2014 |
| L402 | 23248191 | Coil, Choke, TLN3351AD |
| ⚠L403 | 23233995 | Coil, Linearity, TLN2215AG |
| L406 | 23289560 | Coil, Peaking, TRF4560AF |
| ⚠L407 | 23248259 | Coil, Choke, TLN3505AF |
| ⚠L408 | 23248248 | Coil, Choke, TLN3500AII |
| L409 | 23103775 | Coil (Ferrite Bead), TEM2014 |
| L410 | 23289120 | Coil, Peaking, TRF4120AF |
| L411 | 23103775 | Coil (Ferrite Bead), TEM2014 |
| L413 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| ⚠L452 | 23248223 | Coil, Choke, TLN3451AH |
| ⚠L462 | 23231300 | Deflection Yoke, TDY707MS |
| ⚠L463 | 23231300 | Deflection Yoke, TDY707MS |
| ⚠L464 | 23231300 | Deflection Yoke, TDY707MS |
| L472 | 23102457 | Magnet, MAG-1102 |
| L473 | 23102457 | Magnet, MAG-1102 |
| L474 | 23102457 | Magnet, MAG-1102 |
| L502 | 23289120 | Coil, Peaking, TRF4120AF |
| L503 | 23289120 | Coil, Peaking, TRF4120AF |
| L504 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| L506 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| L518 | 23245834 | Chip, Inductor, TRF4220CB |
| L701 | 23237987 | Coil, Peaking, TRF4100AC |
| L702 | 23261974 | Coil, Choke, HC5-035 |
| L704 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L705 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L764 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L765 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L766 | 23261974 | Coil, Choke, HC5-035 |
| L769 | 23237987 | Coil, Peaking, TRF4100AC |
| L780 | 23237987 | Coil, Peaking, TRF4100AC |
| L781 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L782 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L783 | 23261974 | Coil, Choke, HC5-035 |
| L851 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L852 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L853 | 23289842 | Coil, Peaking, TRF4220AT |
| L861 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L862 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L881 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L882 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L885 | 23248073 | Coil, Choke, TLN3299D |
| L888 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L889 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L891 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L892 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L893 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L894 | 23103880 | Coil (Ferrite Bead), TEM2011Y |
| L895 | 70211045 | Coil, Choke, 0.02mH |
| L896 | 70211045 | Coil, Choke, 0.02mH |
| L897 | 23248073 | Coil, Choke, TLN3299D |
| L898 | 23248073 | Coil, Choke, TLN3299D |
| L902 | 23289479 | Coil, Peaking, TRF44R7AF |
| L903 | 23289680 | Coil, Peaking, TRF4680AF |
| L911 | 23237987 | Coil, Peaking, TRF4100AC |

| Location No. | Part No. | Description |
|---|---|---|
| L912 | 23289680 | Coil, Peaking, TRF4680AF |
| L913 | 23289479 | Coil, Peaking, TRF44R7AF |
| L915 | 23289100 | Coil, Peaking, TRF4100AF |
| L922 | 23289680 | Coil, Peaking, TRF4680AF |
| L923 | 23289479 | Coil, Peaking, TRF44R7AF |
| L925 | 23289100 | Coil, Peaking, TRF4100AF |
| L961 | 23238714 | Coil, Peaking, TRF4100AJ |
| L962 | 23289100 | Coil, Peaking, TRF4100AF |
| L963 | 23237975 | Coil, Peaking, TRF4101AC |
| L7701 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L7702 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L7703 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L7704 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L7705 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L7706 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| L7710 | 23248195 | Coil, Choke, TLN3441AT |
| L7711 | 23248195 | Coil, Choke, TLN3441AT |
| LA22 | 23245830 | Chip, Inductor, TRF4100CB |
| LA49 | 23245830 | Chip, Inductor, TRF4100CB |
| LB42 | 23245830 | Chip, Inductor, TRF4100CB |
| LH001 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH002 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH003 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| LH004 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| LH005 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| LH007 | 23103795 | Chip, Impeder, MMZ2012S301A |
| LH009 | 23103795 | Chip, Impeder, MMZ2012S301A |
| LH010 | 23103795 | Chip, Impeder, MMZ2012S301A |
| LH012 | 23103859 | Coil (Ferrite Bead), TEM2011 |
| LH061 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH062 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH063 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH064 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH065 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH066 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH067 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH120 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH122 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH123 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH124 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH125 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LH126 | 23103864 | Chip (Ferrite Bead), TEM2103T |
| LM09 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LV05 | 23289560 | Coil, Peaking, TRF4560AF |
| LV06 | 23289560 | Coil, Peaking, TRF4560AF |
| LV07 | 23289100 | Coil, Peaking, TRF4100AF |
| LV11 | 23289100 | Coil, Peaking, TRF4100AF |
| LV13 | 23289100 | Coil, Peaking, TRF4100AF |
| LV14 | 23289100 | Coil, Peaking, TRF4100AF |
| LV19 | 23238705 | Coil, Peaking, TRF4560AJ |
| LV41 | 23289470 | Coil, Peaking, TRF4470AF |
| LV502 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LV503 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX101 | 23246199 | Chip, Inductor, TRF42R2CG |
| LX102 | 23246323 | Chip, Inductor, TRF44R7CT |
| LX111 | 23103906 | Chip (Ferrite Bead), TEM2118AS |

| Location No. | Part No. | Description |
|---|---|---|
| LX112 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX113 | 23103806 | Chip (Ferrite Bead), TEM2114T |
| LX131 | 23246199 | Chip, Inductor, TRF42R2CG |
| LX132 | 23246323 | Chip, Inductor, TRF44R7CT |
| LX161 | 23246199 | Chip, Inductor, TRF42R2CG |
| LX162 | 23246323 | Chip, Inductor, TRF44R7CT |
| LX197 | 24000445 | Chip Jumper, 1680 Type |
| LX198 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX199 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX201 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX206 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX207 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX211 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX221 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX222 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX223 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX224 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX225 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX231 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX241 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX242 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX243 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX244 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX245 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX301 | 23103886 | Chip (Ferrite Bead), TEM2129AM |
| LX311 | 23103886 | Chip (Ferrite Bead), TEM2129AM |
| LX321 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX322 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX341 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX342 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX344 | 23103806 | Chip (Ferrite Bead), TEM2114T |
| LX362 | 23103886 | Chip (Ferrite Bead), TEM2129AM |
| LX471 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX473 | 23246325 | Chip, Inductor, TRF4220CT |
| LX509 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LX510 | 23103906 | Chip (Ferrite Bead), TEM2118AS |

| Location No. | Part No. | Description |
|---|---|---|
| LX521 | 23246199 | Chip, Inductor, TRF42R2CG |
| LX531 | 23246323 | Chip, Inductor, TRF44R7CT |
| LX541 | 23246323 | Chip, Inductor, TRF44R7CT |
| LX824 | 24000445 | Chip Jumper, 1680 Type |
| LX825 | 24000445 | Chip Jumper, 1680 Type |
| LX826 | 24000445 | Chip Jumper, 1680 Type |
| LX827 | 24000445 | Chip Jumper, 1680 Type |
| LX829 | 24000445 | Chip Jumper, 1680 Type |
| LX844 | 24000445 | Chip Jumper, 1680 Type |
| LX845 | 24000445 | Chip Jumper, 1680 Type |
| LY09 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY22 | 23103824 | Coil, TCM2028K |
| LY64 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY121 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY122 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY123 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY124 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY125 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY126 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY127 | 23103806 | Chip (Ferrite Bead), TEM2114T |
| LY128 | 23103806 | Chip (Ferrite Bead), TEM2114T |
| LY129 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY130 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY131 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY170 | 23103806 | Chip (Ferrite Bead), TEM2114T |
| LY227 | 23103806 | Chip (Ferrite Bead), TEM2114T |
| LY300 | 24000445 | Chip Jumper, 1680 Type |
| LY301 | 24000445 | Chip Jumper, 1680 Type |
| LY302 | 24000445 | Chip Jumper, 1680 Type |
| LY330 | 23103806 | Chip (Ferrite Bead), TEM2114T |
| LY331 | 23103806 | Chip (Ferrite Bead), TEM2114T |
| LY340 | 24000445 | Chip Jumper, 1680 Type |
| LY341 | 24000445 | Chip Jumper, 1680 Type |
| LY342 | 24000445 | Chip Jumper, 1680 Type |
| LY502 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LY503 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LY701 | 24000445 | Chip Jumper, 1680 Type |
| LY800 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY804 | 23103828 | Chip (Ferrite Bead), TEM2121M |
| LY806 | 23103828 | Chip (Ferrite Bead), TEM2121M |
| LY807 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LY808 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LY809 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LZ03 | 24000445 | Chip Jumper, 1680 Type |
| LZ05 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ09 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ20 | 23246316 | Chip, Inductor, TRF44R7CR |
| LZ21 | 23246317 | Chip, Inductor, TRF4100CR |
| LZ22 | 23246199 | Chip, Inductor, TRF42R2CG |
| LZ25 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ26 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ28 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ29 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ30 | 24000445 | Chip Jumper, 1680 Type |
| LZ31 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ32 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ34 | 24000445 | Chip Jumper, 1680 Type |
| LZ35 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ36 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ38 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ39 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ96 | 23246206 | Chip, Inductor, TRF48R2CG |
| LZ100 | 23246223 | Chip, Inductor, TRF4330CG |
| LZ101 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LZ102 | 23103827 | Chip (Ferrite Bead), TEM2120M |
| LZ103 | 23103906 | Chip (Ferrite Bead), TEM2118AS |
| LZ104 | 23246219 | Chip, Inductor, TRF4150CG |
| LZ105 | 23246222 | Chip, Inductor, TRF4270CG |
| LZ106 | 24000445 | Chip Jumper, 1680 Type |
| T401 | 23224371 | Transformer, Horiz, Drive, TLN1080AH |
| T403 | 23224364 | Transformer, Focus, TLN2168AH |
| ⚠T461 | 23236635 | Transformer, Flyback, TFB3088AD |
| T461A | 23192940 | Anode Cap, TCCP5157 |
| T801 | 23211698 | Line Filter, TRF3218AK |
| T802 | 23211712 | Line Filter, TRF3209BQ |
| T840 | 23217481 | Transformer, Power, TPW1562AZ |
| T862 | 23217467 | Transformer, Converter, TPW3450AS |

## SEMICONDUCTORS

| | | |
|---|---|---|
| Q151 | 23314962 | Transistor, KTA1266 Y |
| Q152 | 23314965 | Transistor, KTC3198 Y |
| Q201 | A6335470 | Transistor, 2SC2712-Y |
| Q210 | A6549570 | Transistor, 2SA1586-Y |
| Q211 | 23314993 | Transistor, 2SC4081T106Q |
| Q221 | A6330059 | Transistor, 2SC2482(C) |
| Q301 | B0351501 | IC, TA75902P(J) |
| Q302 | B0384625 | IC, TA8859CP |
| Q303 | 23314965 | Transistor, KTC3198 Y |

| Location No. | Part No. | Description |
|---|---|---|
| Q304 | B0351501 | IC, TA75902P(J) |
| Q305 | A6541130 | Transistor, 2SA1162-Y |
| Q306 | 23319787 | IC, LA7833S |
| Q306B | 70391355 | Screw, BITTB3X8 SZN |
| Q308 | 23314965 | Transistor, KTC3198 Y |
| Q309 | 23314962 | Transistor, KTA1266 Y |
| Q310 | 23314965 | Transistor, KTC3198 Y |
| Q311 | A6002020 | Transistor, RN1202 |
| Q350 | 23904896 | IC, JLC1562BFEL |
| Q403 | A6073390 | Transistor, 2SK2920 |
| Q404 | A6371775 | Transistor, 2SC5144 |
| Q404B | 72471082 | Screw, BRDT2W3X10 SZN |
| Q404E | A8012650 | Spacer, AC263 |
| Q406 | 23314548 | Transistor, 2SC4256 |
| Q407 | B0347500 | IC, TA75358P |
| Q410 | A6064650 | Transistor, 2SK941 |
| Q410 | A6549570 | Transistor, 2SA1586-Y |
| Q411 | 23314965 | Transistor, KTC3198 Y |
| Q411 | A6734590 | Transistor, 2SC752(G)TM-Y |
| Q412 | 23114530 | Transistor, 2SA933S-Q |
| Q412 | A6002030 | Transistor, RN1203 |
| Q413 | A6734590 | Transistor, 2SC752(G)TM-Y |
| Q415 | 23318981 | IC, MC14053BFEL |
| Q415 | A6002030 | Transistor, RN1203 |
| Q416 | 23314965 | Transistor, KTC3198 Y |
| Q416 | A6361770 | Transistor, 2SC3437-Y |
| Q417 | 23314965 | Transistor, KTC3198 Y |
| Q417 | A6361770 | Transistor, 2SC3437-Y |
| Q418 | A6004020 | Transistor, RN1402 |
| Q420 | 23316816 | IC, LA7860 |
| Q421 | A6734590 | Transistor, 2SC752(G)TM-Y |
| Q423 | A6002030 | Transistor, RN1203 |
| Q424 | 23904353 | IC, AN7712F |
| Q424 | A6361770 | Transistor, 2SC3437-Y |
| Q425 | A6361770 | Transistor, 2SC3437-Y |
| Q426 | A6335470 | Transistor, 2SC2712-Y |
| Q427 | 23314962 | Transistor, KTA1266 Y |
| Q470 | B01A0156 | IC, TA1318N |
| Q481 | B0347235 | IC, TA75339AP |
| Q490 | 23314965 | Transistor, KTC3198 Y |
| Q491 | A6002030 | Transistor, RN1203 |
| Q501 | B0386049 | IC, TA1270AF(J) |
| Q502 | 23000263 | IC, BU4053BCF-E2 |
| Q503 | A6549570 | Transistor, 2SA1586-Y |
| Q504 | 23314993 | Transistor, 2SC4081T106Q |
| Q510 | B01A0150 | IC, TA1316N |
| Q520 | 23114530 | Transistor, 2SA933S-Q |
| Q521 | 23114530 | Transistor, 2SA933S-Q |
| Q522 | 23114530 | Transistor, 2SA933S-Q |
| Q523 | A6335470 | Transistor, 2SC2712-Y |
| Q524 | A6004010 | Transistor, RN1401 |
| Q525 | A6004010 | Transistor, RN1401 |
| Q526 | A6004010 | Transistor, RN1401 |
| Q527 | A6541130 | Transistor, 2SA1162-Y |
| Q528 | A6541130 | Transistor, 2SA1162-Y |
| Q529 | A6541130 | Transistor, 2SA1162-Y |
| Q601 | B0376885 | IC, TA8216H |
| Q612 | A6541130 | Transistor, 2SA1162-Y |
| Q621 | 23000381 | IC, CXA2021S |
| Q622 | B01A0119 | IC, TA1304F(EL) |
| Q661 | A6359870 | Transistor, 2SC3326-B |
| Q662 | A6359870 | Transistor, 2SC3326-B |
| Q663 | 23906596 | IC, BA4558 |
| Q664 | A6014040 | Transistor, RN2404 |

| Location No. | Part No. | Description |
|---|---|---|
| Q681 | A6359870 | Transistor, 2SC3326-B |
| Q682 | A6359870 | Transistor, 2SC3326-B |
| Q706 | 23114528 | Transistor, 2SC1740S, Q |
| Q707 | A6734590 | Transistor, 2SC752(G)TM-Y |
| Q709 | 23114528 | Transistor, 2SC1740S, Q |
| Q710 | 23114530 | Transistor, 2SA933S-Q |
| Q711 | 23314911 | Transistor, 2SB1569A E |
| Q711B | 70391355 | Screw, BITTB3X8 SZN |
| Q712 | 23314914 | Transistor, 2SD2400A E |
| Q712B | 70391355 | Screw, BITTB3X8 SZN |
| Q719 | 23114528 | Transistor, 2SC1740S, Q |
| Q720 | 23114528 | Transistor, 2SC1740S, Q |
| Q751 | 23905094 | IC, STR392-110 |
| Q752 | 23905094 | IC, STR392-110 |
| Q755 | 23904521 | IC, AN7805 |
| Q757 | A6335470 | Transistor, 2SC2712-Y |
| Q758 | A6335470 | Transistor, 2SC2712-Y |
| Q759 | A6541130 | Transistor, 2SA1162-Y |
| Q760 | 23114530 | Transistor, 2SA933S-Q |
| Q761 | 23314911 | Transistor, 2SB1569A E |
| Q761 | A6541130 | Transistor, 2SA1162-Y |
| Q761B | 70391355 | Screw, BITTB3X8 SZN |
| Q762 | A6335470 | Transistor, 2SC2712-Y |
| Q764 | B0485884 | IC, TC74HC14AF |
| Q765 | A6335470 | Transistor, 2SC2712-Y |
| Q766 | A6335470 | Transistor, 2SC2712-Y |
| Q767 | B0488448 | IC, TC74HC4066AF |
| Q769 | 23114528 | Transistor, 2SC1740S, Q |
| Q771 | 23314914 | Transistor, 2SD2400A E |
| Q771B | 70391355 | Screw, BITTB3X8 SZN |
| Q772 | A6541130 | Transistor, 2SA1162-Y |
| Q773 | A6335470 | Transistor, 2SC2712-Y |
| Q779 | 23114528 | Transistor, 2SC1740S, Q |
| Q781 | 23114528 | Transistor, 2SC1740S, Q |
| Q782 | 23114530 | Transistor, 2SA933S-Q |
| Q782 | 23318840 | IC, AN79M05F |
| Q783 | 23114528 | Transistor, 2SC1740S, Q |
| Q784 | 23314911 | Transistor, 2SB1569A E |
| Q784B | 70391355 | Screw, BITTB3X8 SZN |
| Q785 | 23314914 | Transistor, 2SD2400A E |
| Q785B | 70391355 | Screw, BITTB3X8 SZN |
| Q796 | A6335470 | Transistor, 2SC2712-Y |
| Q797 | B0352035 | IC, TA75S393F |
| Q798 | A6030110 | IC, TC4S66F |
| Q799 | A6030110 | IC, TC4S66F |
| Q801 | 23135015 | IC, STR-Z4369 |
| Q820 | 23314965 | Transistor, KTC3198 Y |
| Q821 | A6000050 | Transistor, RN1005 |
| Q830 | 23904163 | IC, SI-3090CA |
| Q831 | 23905976 | IC, PQ05RD11 |
| Q840 | 23906689 | IC, PQ05RR11 |
| Q840B | 70391356 | Screw, BITTB3X10 SZN |
| Q843 | A6002060 | Transistor, RN1206 |
| Q862 | A8643112 | Photo Coupler, TLP621(GRL-L |
| Q901 | A6372621 | Transistor, 2SC5360 |
| Q902 | A6317440 | Transistor, 2SC1815-Y |
| Q911 | A6372621 | Transistor, 2SC5360 |
| Q912 | A6317440 | Transistor, 2SC1815-Y |
| Q913 | A6534145 | Transistor, 2SA1020-Y(C) |
| Q914 | A6317440 | Transistor, 2SC1815-Y |
| Q915 | A6317440 | Transistor, 2SC1815-Y |
| Q916 | A6317440 | Transistor, 2SC1815-Y |
| Q917 | A6317440 | Transistor, 2SC1815-Y |
| Q918 | A6317440 | Transistor, 2SC1815-Y |

| Location No. | Part No. | Description |
|---|---|---|
| Q919 | A6317440 | Transistor, 2SC1815-Y |
| Q920 | A6317440 | Transistor, 2SC1815-Y |
| Q921 | A6372621 | Transistor, 2SC5360 |
| Q922 | A6317440 | Transistor, 2SC1815-Y |
| Q961 | A6317440 | Transistor, 2SC1815-Y |
| Q962 | A6534145 | Transistor, 2SA1020-Y(C) |
| Q963 | A6317440 | Transistor, 2SC1815-Y |
| Q964 | A6534040 | Transistor, 2SA1015-Y |
| Q965 | A6317440 | Transistor, 2SC1815-Y |
| Q966 | A6534040 | Transistor, 2SA1015-Y |
| Q968 | A6317440 | Transistor, 2SC1815-Y |
| Q971 | A6534040 | Transistor, 2SA1015-Y |
| Q972 | A6534040 | Transistor, 2SA1015-Y |
| Q973 | A6534145 | Transistor, 2SA1020-Y(C) |
| Q974 | A6317440 | Transistor, 2SC1815-Y |
| Q975 | A6734590 | Transistor, 2SC752(G)TM-Y |
| QA01 | 23000473 | IC, MN102L35GFD |
| QA02 | 23906642 | IC, AT24C64-10PC |
| QA04 | 23905321 | IC, 24LC16B-I/P |
| QA05 | 70119743 | IC, PST523D |
| QA71 | A6541130 | Transistor, 2SA1162-Y |
| QB03 | A6004050 | Transistor, RN1405 |
| QB11 | 23114528 | Transistor, 2SC1740S, Q |
| QB14 | A6541130 | Transistor, 2SA1162-Y |
| QB30 | 23314965 | Transistor, KTC3198 Y |
| QB61 | A6361770 | Transistor, 2SC3437-Y |
| QB84 | A6335470 | Transistor, 2SC2712-Y |
| QB85 | A6541130 | Transistor, 2SA1162-Y |
| QB86 | A6541130 | Transistor, 2SA1162-Y |
| QB87 | A6541130 | Transistor, 2SA1162 Y |
| QB88 | A6541130 | Transistor, 2SA1162-Y |
| QD01 | B01A0107 | IC, TA2136N |
| QH001 | B01B4088 | IC, TC190C060AF- |
| QH004 | B0485893 | IC, TC74HC244AF |
| QH005 | 23905013 | IC, TLC29321PW |
| QH006 | 23906908 | IC, MC33078DR2 |
| QH120 | 23318897 | IC, PCM56P-L |
| QH121 | 23318897 | IC, PCM56P-L |
| QH140 | 23318897 | IC, PCM56P-L |
| QH141 | 23318897 | IC, PCM56P-L |
| QH160 | 23318897 | IC, PCM56P-L |
| QH161 | 23318897 | IC, PCM56P-L |
| QH170 | 23906909 | IC, MC33079DR2 |
| QH171 | 23906909 | IC, MC33079DR2 |
| QH172 | 23906909 | IC, MC33079DR2 |
| QH173 | 23905320 | IC, NM24C16EN |
| QH177 | 23904743 | IC, LC89066M |
| QR02 | A6335470 | Transistor, 2SC2712-Y |
| QR03 | A6004020 | Transistor, RN1402 |
| QR14 | A6541130 | Transistor, 2SA1162-Y |
| QR15 | A6541130 | Transistor, 2SA1162 Y |
| QR16 | A6541130 | Transistor, 2SA1162-Y |
| QS01 | A6342200 | Transistor, 2CS2878-A |
| QS11 | A6342200 | Transistor, 2CS2878-A |
| QS12 | A6012040 | Transistor, RN2204 |
| QS13 | 23314965 | Transistor, KTC3198 Y |
| QS14 | 23314965 | Transistor, KTC3198 Y |
| QV01 | B0384761 | IC, TA8851CN |
| QV10 | 23114528 | Transistor, 2SC1740S, Q |
| QV20 | A6002040 | Transistor, RN1204 |
| QV21 | 23114528 | Transistor, 2SC1740S, Q |
| QV22 | 23114530 | Transistor, 2SA933S-Q |
| QV23 | 23114530 | Transistor, 2SA933S-Q |
| QV28 | A6002030 | Transistor, RN1203 |

| Location No. | Part No. | Description |
|---|---|---|
| QV30 | 23905590 | IC, M52055FP |
| QV31 | A6335470 | Transistor, 2SC2712-Y |
| QV37 | A6541130 | Transistor, 2SA1162-Y |
| QV38 | A6541130 | Transistor, 2SA1162-Y |
| QV39 | A6541130 | Transistor, 2SA1162-Y |
| QV48 | 23114528 | Transistor, 2SC1740S, Q |
| QV49 | 23114528 | Transistor, 2SC1740S, Q |
| QV501 | 23318981 | IC, MC14053BFEL |
| QV504 | A6549570 | Transistor, 2SA1586-Y |
| QV505 | A6549570 | Transistor, 2SA1586-Y |
| QV506 | A6549570 | Transistor, 2SA1586-Y |
| QV507 | A6549570 | Transistor, 2SA1586-Y |
| QV508 | A6549570 | Transistor, 2SA1586-Y |
| QV509 | A6549570 | Transistor, 2SA1586-Y |
| QV524 | 23314993 | Transistor, 2SC4081T106Q |
| QW05 | A6335470 | Transistor, 2SC2712-Y |
| QW08 | A6335470 | Transistor, 2SC2712-Y |
| QW11 | A6335470 | Transistor, 2SC2712-Y |
| QW17 | A6002010 | Transistor, RN1201 |
| QX11 | 23905770 | IC, PQ3RF23 |
| QX101 | 23314993 | Transistor, 2SC4081T106Q |
| QX102 | 23314347 | Transistor, IMX2 T108 |
| QX103 | 23314993 | Transistor, 2SC4081T106Q |
| QX104 | 23314993 | Transistor, 2SC4081T106Q |
| QX108 | 23314993 | Transistor, 2SC4081T106Q |
| QX109 | A6030670 | IC, TC7S66F |
| QX110 | A6549570 | Transistor, 2SA1586-Y |
| QX131 | 23314993 | Transistor, 2SC4081T106Q |
| QX132 | 23314347 | Transistor, IMX2 T108 |
| QX133 | 23314993 | Transistor, 2SC4081T106Q |
| QX134 | 23314993 | Transistor, 2SC4081T106Q |
| QX138 | 23314993 | Transistor, 2SC4081T106Q |
| QX139 | A6030670 | IC, TC7S66F |
| QX140 | A6549570 | Transistor, 2SA1586-Y |
| QX161 | 23314993 | Transistor, 2SC4081T106Q |
| QX162 | 23314347 | Transistor, IMX2 T108 |
| QX163 | 23314993 | Transistor, 2SC4081T106Q |
| QX164 | 23314993 | Transistor, 2SC4081T106Q |
| QX168 | 23314993 | Transistor, 2SC4081T106Q |
| QX169 | A6030670 | IC, TC7S66F |
| QX170 | A6549570 | Transistor, 2SA1586-Y |
| QX191 | 23000197 | IC, SN74AHC2G53H |
| QX192 | 23314345 | Transistor, IMZ1 T108 |
| QX195 | A6030695 | IC, TC7SH32FU(BR |
| QX196 | A6030695 | IC, TC7SH32FU(BR |
| QX201 | 23314993 | Transistor, 2SC4081T106Q |
| QX202 | 23314993 | Transistor, 2SC4081T106Q |
| QX211 | 23000283 | IC, R1121N331B-T |
| QX219 | A6030670 | IC, TC7S66F |
| QX220 | 23905939 | IC, TLC2933IPW |
| QX221 | A6030620 | IC, TC7S04F |
| QX231 | 23000283 | IC, R1121N331B-T |
| QX240 | 23905013 | IC, TLC29321PW |
| QX241 | A6030620 | IC, TC7S04F |
| QX300 | 23000365 | IC, TC90A63F |
| QX310 | 23000198 | IC, EM636327Q-8 |
| QX322 | 23314352 | Transistor, IMT2 T108 |
| QX332 | 23314352 | Transistor, IMT2 T108 |
| QX470 | B0487819 | IC, TC74HCT32AF |
| QX471 | 23314993 | Transistor, 2SC4081T106Q |
| QX472 | 23314993 | Transistor, 2SC4081T106Q |
| QX521 | A6549570 | Transistor, 2SA1586-Y |
| QX522 | A6549570 | Transistor, 2SA1586-Y |
| QX531 | A6549570 | Transistor, 2SA1586-Y |

| Location No. | Part No. | Description |
|---|---|---|
| QX532 | A6549570 | Transistor, 2SA1586-Y |
| QX541 | A6549570 | Transistor, 2SA1586-Y |
| QX542 | A6549570 | Transistor, 2SA1586-Y |
| QX904 | 23314993 | Transistor, 2SC4081T106Q |
| QX910 | 23000263 | IC, BU4053BCF-E2 |
| QX951 | 23000263 | IC, BU4053BCF-E2 |
| QX952 | 23314993 | Transistor, 2SC4081T106Q |
| QX953 | 23314993 | Transistor, 2SC4081T106Q |
| QY01 | B0386049 | IC, TA1270AF(J) |
| QY03 | A7010005 | IC, TC90A66F(BR, |
| QY06 | 23000408 | IC, 1V04166-30TB |
| QY10 | A6549570 | Transistor, 2SA1586-Y |
| QY12 | A6549570 | Transistor, 2SA1586-Y |
| QY20 | 23000376 | IC, BA033LBSG-TR |
| QY21 | 23000283 | IC, R1121N331B-T |
| QY30 | 23314993 | Transistor, 2SC4081T106Q |
| QY101 | A6549570 | Transistor, 2SA1586-Y |
| QY104 | 23314993 | Transistor, 2SC4081T106Q |
| QY105 | 23314993 | Transistor, 2SC4081T106Q |
| QY106 | 23314993 | Transistor, 2SC4081T106Q |
| QY107 | A6549570 | Transistor, 2SA1586-Y |
| QY108 | A6549570 | Transistor, 2SA1586-Y |
| QY109 | A6549570 | Transistor, 2SA1586-Y |
| QY116 | 23314993 | Transistor, 2SC4081T106Q |
| QY207 | A6549570 | Transistor, 2SA1586-Y |
| QY208 | A6549570 | Transistor, 2SA1586-Y |
| QY209 | A6549570 | Transistor, 2SA1586-Y |
| QY260 | 23114528 | Transistor, 2SC1740S, Q |
| QY300 | 23000366 | IC, TLC2943IDB |
| QY301 | A6030630 | IC, TC7S08F |
| QY302 | A6030670 | IC, TC7S66F |
| QY330 | 23905939 | IC, TLC2933IPW |
| QY331 | A6030620 | IC, TC7S04F |
| QY332 | A6030670 | IC, TC7S66F |
| QY333 | A6030898 | IC, TC4W53FU(BRA |
| QY341 | A6030620 | IC, TC7S04F |
| QY342 | A6030670 | IC, TC7S66F |
| QY382 | 23314993 | Transistor, 2SC4081T106Q |
| QY501 | 23318981 | IC, MC14053BFFI |
| QY504 | A6549570 | Transistor, 2SA1586-Y |
| QY505 | A6549570 | Transistor, 2SA1586-Y |
| QY506 | A6549570 | Transistor, 2SA1586-Y |
| QY507 | A6549570 | Transistor, 2SA1586-Y |
| QY508 | A6549570 | Transistor, 2SA1586-Y |
| QY509 | A6549570 | Transistor, 2SA1586-Y |
| QY524 | 23314993 | Transistor, 2SC4081T106Q |
| QY700 | B0386238 | IC, TA1287F |
| QY721 | 23314993 | Transistor, 2SC4081T106Q |
| QY722 | 23314993 | Transistor, 2SC4081T106Q |
| QY723 | 23314993 | Transistor, 2SC4081T106Q |
| QY751 | 23314993 | Transistor, 2SC4081T106Q |
| QY752 | 23314993 | Transistor, 2SC4081T106Q |
| QY753 | 23314993 | Transistor, 2SC4081T106Q |
| QY760 | 23314993 | Transistor, 2SC4081T106Q |
| QZ01 | 23000108 | IC, μPD64082 |
| QZ02 | 23000438 | IC, B416256A-35J |
| QZ04 | A6549570 | Transistor, 2SA1586-Y |
| QZ05 | A6549570 | Transistor, 2SA1586-Y |
| QZ06 | 23314993 | Transistor, 2SC4081T106Q |
| QZ14 | A6549570 | Transistor, 2SA1586-Y |
| QZ16 | 23314993 | Transistor, 2SC4081T106Q |
| QZ17 | A6549570 | Transistor, 2SA1586-Y |
| QZ18 | 23314993 | Transistor, 2SC4081T106Q |
| QZ20 | 23314993 | Transistor, 2SC4081T106Q |

| Location No. | Part No. | Description |
|---|---|---|
| QZ21 | 23314993 | Transistor, 2SC4081T106Q |
| QZ22 | 23314993 | Transistor, 2SC4081T106Q |
| QZ23 | A6549570 | Transistor, 2SA1586-Y |
| QZ24 | 23314993 | Transistor, 2SC4081T106Q |
| QZ100 | B0410868 | IC, TC90A45F |
| QZ101 | 23314993 | Transistor, 2SC4081T106Q |
| QZ102 | 23314993 | Transistor, 2SC4081T106Q |
| QZ103 | A6549570 | Transistor, 2SA1586-Y |
| D101 | 23316756 | Diode, Zener, MTZJ33D |
| D215 | 23118041 | Diode, MA111-(TX) |
| D216 | 23118041 | Diode, MA111-(TX) |
| D217 | 23118041 | Diode, MA111-(TX) |
| D218 | 23118041 | Diode, MA111-(TX) |
| D219 | 23118041 | Diode, MA111-(TX) |
| D220 | 23118041 | Diode, MA111-(TX) |
| D301 | 23316682 | Diode, Zener, MTZJ7.5C |
| D302 | 23118094 | Diode, EU2A, LF-F10 |
| D303 | 23316732 | Diode, Zener, MTZJ18C |
| D304 | 23316794 | Diode, SC570ALFE2 |
| D305 | 23118822 | Diode, ERB12-02 |
| D306 | 23118822 | Diode, ERB12-02 |
| D307 | 23118859 | Diode, 1SS133 |
| D310 | 23118041 | Diode, MA111-(TX) |
| D336 | 23118859 | Diode, 1SS133 |
| D337 | 23118859 | Diode, 1SS133 |
| D401 | 23118094 | Diode, EU2A, LF-F10 |
| D402 | 23118094 | Diode, EU2A, LF-F10 |
| D403 | 23224366 | Diode, FMQ-3GU |
| D404 | 23316254 | Diode, ERC06-15L |
| D406 | 23118094 | Diode, EU2A, LF-F10 |
| D407 | 23316731 | Diode, Zener, MTZJ18B |
| D408 | A7978850 | Diode, S5295G |
| D411 | 23316666 | Diode, Zener, MTZJ4.7B |
| D412 | 23118041 | Diode, MA111-(TX) |
| D412 | 23118094 | Diode, EU2A, LF-F10 |
| D413 | 23118041 | Diode, MA111-(TX) |
| D413 | 23118707 | Diode, RP 1H, LF-C1 |
| D414 | 23118041 | Diode, MA111-(TX) |
| D415 | 23118041 | Diode, MA111-(TX) |
| D415 | 23118707 | Diode, RP 1H, LF-C1 |
| D416 | 23118041 | Diode, MA111-(TX) |
| D417 | 23316591 | Diode, Zener, MA8100-M, TX |
| D418 | 23316591 | Diode, Zener, MA8100-M, TX |
| D435 | 23118094 | Diode, EU2A, LF-F10 |
| D436 | 23118094 | Diode, EU2A, LF-F10 |
| D441 | 23118859 | Diode, 1SS133 |
| D442 | 23316731 | Diode, Zener, MTZJ18B |
| D444 | 23118859 | Diode, 1SS133 |
| ⚠ D482 | 23115774 | Diode, Zener, RD6.2E(4) |
| D520 | 23316647 | Diode, Zener, MTZJ2.0B |
| D521 | 23118041 | Diode, MA111-(TX) |
| D522 | 23118041 | Diode, MA111-(TX) |
| D523 | 23118041 | Diode, MA111-(TX) |
| D531 | 23316573 | Diode, Zener, MA8062-L, TX |
| D532 | 23118822 | Diode, ERB12-02 |
| D533 | 23316686 | Diode, Zener, MTZJ9.1A |
| D601 | 23118041 | Diode, MA111-(TX) |
| D602 | 23118041 | Diode, MA111-(TX) |
| D603 | 23118041 | Diode, MA111-(TX) |
| D604 | 23118041 | Diode, MA111-(TX) |
| D607 | 23316616 | Diode, Zener, MA8220-M, TX |
| D608 | 23316616 | Diode, Zener, MA8220-M, TX |
| D611 | 23118041 | Diode, MA111-(TX) |
| D612 | 23118041 | Diode, MA111-(TX) |

| Location No. | Part No. | Description |
|---|---|---|
| D661 | 23316570 | Diode, Zener, MA8056-L, TX |
| D704 | 23118859 | Diode, 1SS133 |
| D705 | 23118859 | Diode, 1SS133 |
| D715 | 23118859 | Diode, 1SS133 |
| D721 | 23118859 | Diode, 1SS133 |
| D761 | 23118859 | Diode, 1SS133 |
| D762 | 23118859 | Diode, 1SS133 |
| D763 | 23118859 | Diode, 1SS133 |
| D764 | 23118859 | Diode, 1SS133 |
| D781 | 23118859 | Diode, 1SS133 |
| D782 | 23118859 | Diode, 1SS133 |
| D783 | 23118859 | Diode, 1SS133 |
| D784 | 23118859 | Diode, 1SS133 |
| D801 | 23316787 | Diode, D15XB60H, F5 |
| D811 | 23316688 | Diode, Zener, MTZJ9.1C |
| D813 | 23316665 | Diode, Zener, MTZJ4.7A |
| D822 | 23316672 | Diode, Zener, MTZJ5.6B |
| D823 | 23316672 | Diode, Zener, MTZJ5.6B |
| D830 | 23115532 | Diode, ERB12-01E |
| D831 | 23115532 | Diode, ERB12-01E |
| D840 | 23316962 | Diode, S1WBA20 4101 |
| D841 | 23316745 | Diode, Zener, MTZJ27A |
| D843 | 23118859 | Diode, 1SS133 |
| D844 | 23316688 | Diode, Zener, MTZJ9.1C |
| D845 | 23316679 | Diode, Zener, MTZJ6.8C |
| D846 | 23118859 | Diode, 1SS133 |
| D851 | 23357215 | Diode, D4SBS6 |
| D858 | 23118859 | Diode, 1SS133 |
| D859 | 23118859 | Diode, 1SS133 |
| D862 | 23118057 | Diode, AG01A |
| D863 | 23316553 | Diode, 1SS145 |
| D864 | 23118060 | Diode, AL01Z |
| D873 | 23316747 | Diode, Zener, MTZJ27C |
| D875 | 23316688 | Diode, Zener, MTZJ9.1C |
| D876 | 23316753 | Diode, Zener, MTZJ33A |
| D877 | 23316747 | Diode, Zener, MTZJ27C |
| D878 | 23316686 | Diode, Zener, MTZJ9.1A |
| D884 | 23357217 | Diode, D4SBL40 |
| D885 | 23357216 | Diode, D4SBL20U |
| D891 | 23357214 | Diode, D4SBS4 |
| D892 | 23316768 | Diode, FMB-26L |
| D899 | 24000948 | Varistor, TNR15G391K |
| D901 | 23118859 | Diode, 1SS133 |
| D902 | 23118859 | Diode, 1SS133 |
| D911 | 23118859 | Diode, 1SS133 |
| D912 | 23118859 | Diode, 1SS133 |
| D916 | A7568250 | Diode, 1S1834 |
| D921 | 23118859 | Diode, 1SS133 |
| D922 | 23118859 | Diode, 1SS133 |
| D924 | 23118859 | Diode, 1SS133 |
| D925 | 23118859 | Diode, 1SS133 |
| D931 | 23118859 | Diode, 1SS133 |
| D932 | 23118859 | Diode, 1SS133 |
| D933 | 23118859 | Diode, 1SS133 |
| D934 | 23118859 | Diode, 1SS133 |
| D936 | A7568250 | Diode, 1S1834 |
| D941 | 23118859 | Diode, 1SS133 |
| D942 | 23118859 | Diode, 1SS133 |
| D943 | 23118859 | Diode, 1SS133 |
| D946 | 23118859 | Diode, 1SS133 |
| D948 | 23118859 | Diode, 1SS133 |
| D961 | 23118859 | Diode, 1SS133 |
| D962 | 23118859 | Diode, 1SS133 |
| D963 | 23118859 | Diode, 1SS133 |

| Location No. | Part No. | Description |
|---|---|---|
| D964 | 23118859 | Diode, 1SS133 |
| D965 | 23118859 | Diode, 1SS133 |
| D966 | 23118859 | Diode, 1SS133 |
| D967 | A7568250 | Diode, 1S1834 |
| D7701 | 23118041 | Diode, MA111-(TX) |
| D7702 | 23118859 | Diode, 1SS133 |
| D7705 | 23118041 | Diode, MA111-(TX) |
| D7706 | 23118041 | Diode, MA111-(TX) |
| D7707 | 23118041 | Diode, MA111-(TX) |
| D7708 | 23118041 | Diode, MA111-(TX) |
| D7709 | 23316675 | Diode, Zener, MTZJ6.2B |
| D7714 | 23118041 | Diode, MA111-(TX) |
| D7715 | 23118041 | Diode, MA111-(TX) |
| D7716 | 23118041 | Diode, MA111-(TX) |
| D7717 | 23316675 | Diode, Zener, MTZJ6.2B |
| D7718 | 23316675 | Diode, Zener, MTZJ6.2B |
| D7719 | 23316675 | Diode, Zener, MTZJ6.2B |
| D7730 | 23118538 | Diode, Zener, RD6.2FSA B2 |
| D7736 | 23118538 | Diode, Zener, RD6.2ESA B2 |
| D7738 | 23118859 | Diode, 1SS133 |
| D7739 | 23118859 | Diode, 1SS133 |
| D7740 | 23118859 | Diode, 1SS133 |
| D7741 | 23118859 | Diode, 1SS133 |
| D7742 | 23118859 | Diode, 1SS133 |
| D7743 | 23118859 | Diode, 1SS133 |
| D7745 | 23118859 | Diode, 1SS133 |
| D7746 | 23118859 | Diode, 1SS133 |
| D7747 | 23118859 | Diode, 1SS133 |
| D7748 | 23118859 | Diode, 1SS133 |
| D7749 | 23118859 | Diode, 1SS133 |
| D7760 | 23118859 | Diode, 1SS133 |
| D7805 | 23118041 | Diode, MA111-(TX) |
| D7806 | 23118041 | Diode, MA111-(TX) |
| DA02 | 23316574 | Diode, Zener, MA8062-M, TX |
| DA11 | 23118859 | Diode, 1SS133 |
| DA12 | 23316669 | Diode, Zener, MTZJ5.1B |
| DA34 | 23118041 | Diode, MA111-(TX) |
| DA43 | 23118041 | Diode, MA111-(TX) |
| DA44 | 23118041 | Diode, MA111-(TX) |
| DA45 | 23118041 | Diode, MA111-(TX) |
| DA46 | 23118041 | Diode, MA111-(TX) |
| DB10 | 23316574 | Diode, Zener, MA8062-M, TX |
| DB11 | 23118041 | Diode, MA111-(TX) |
| DB11 | 23358501 | Diode (LED), SCL003URC5F |
| DB12 | 23118041 | Diode, MA111-(TX) |
| DB13 | 23118041 | Diode, MA111-(TX) |
| DB13 | 23358522 | Diode (LED), SIR-56SB3F |
| DB14 | 23118041 | Diode, MA111-(TX) |
| DB14 | 23118859 | Diode, 1SS133 |
| DB30 | 23118859 | Diode, 1SS133 |
| DB42 | 23316574 | Diode, Zener, MA8062-M, TX |
| DB61 | 23118041 | Diode, MA111-(TX) |
| DH001 | 23316675 | Diode, Zener, MTZJ6.2B |
| DH002 | 23316675 | Diode, Zener, MTZJ6.2B |
| DH003 | 23316675 | Diode, Zener, MTZJ6.2B |
| DV01 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV02 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV03 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV07 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV08 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV09 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV11 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV12 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV13 | 23316686 | Diode, Zener, MTZJ9.1A |

| Location No. | Part No. | Description |
|---|---|---|
| DV17 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV18 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV25 | 23118859 | Diode, 1SS133 |
| DV161 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV162 | 23316686 | Diode, Zener, MTZJ9.1A |
| DV163 | 23316686 | Diode, Zener, MTZJ9.1A |
| DX11 | 23115532 | Diode, ERB12-01E |
| DX12 | 23115532 | Diode, ERB12-01E |

## MISCELLANEOUS

| | | |
|---|---|---|
| B224 | 23035412 | Screw, BTB 4X12 SZN |
| B225 | 23035412 | Screw, BTB 4X12 SZN |
| B230 | 23037312 | Screw, BTBW 3X12 SZN |
| B233 | 23035412 | Screw, BTB 4X12 SZN |
| B234 | 23035412 | Screw, BTB 4X12 SZN |
| B235 | 23035310 | Screw, BTB 3X8 SZN |
| B236 | 23035412 | Screw, BTB 4X12 SZN |
| BB30 | 23903022 | Socket, 8P |
| BB31 | 23903022 | Socket, 8P |
| BB300 | 23368627 | Plug, 8P |
| E918 | 23737007 | Bolt |
| E948 | 23737007 | Bolt |
| E978 | 23737007 | Bolt |
| F470 | 23144624 | Fuse, 2.0A, 125V |
| F801 | 23144481 | Fuse, 7.0A, 125V |
| F801A | 23165433 | Holder, Fuse |
| F850 | 23144629 | Fuse, 6.3A, 125V |
| F851 | 23144629 | Fuse, 6.3A, 125V |
| F860 | 23144626 | Fuse, 4.0A, 125V |
| F889 | 23144626 | Fuse, 4.0A, 125V |
| F890 | 23144625 | Fuse, 3.15A, 125V |
| F891 | 23144627 | Fuse, 5.0A, 125V |
| G101 | 24872101 | Chip, 100 ohm, 1/16W |
| G102 | 24872101 | Chip, 100 ohm, 1/16W |
| GJ01 | 24000824 | Chip Jumper, 2125Type |
| GJ01 | 24000824 | Chip Jumper, 2125Type |
| GJ02 | 24000824 | Chip Jumper, 2125Type |
| GJ03 | 24000445 | Chip Jumper, 1680 Type |
| GJ04 | 24000445 | Chip Jumper, 1680 Type |
| GJ04 | 24000824 | Chip Jumper, 2125Type |
| GJ05 | 24000445 | Chip Jumper, 1680 Type |
| GJ05 | 24000824 | Chip Jumper, 2125Type |
| GJ05 | 24000824 | Chip Jumper, 2125Type |
| GJ06 | 24000445 | Chip Jumper, 1680 Type |
| GJ06 | 24000824 | Chip Jumper, 2125Type |
| GJ07 | 24000824 | Chip Jumper, 2125Type |
| GJ10 | 24000824 | Chip Jumper, 2125Type |
| GJ11 | 24000824 | Chip Jumper, 2125Type |
| GJ14 | 24000824 | Chip Jumper, 2125Type |
| GJ15 | 24000824 | Chip Jumper, 2125Type |
| GJ16 | 24000445 | Chip Jumper, 1680 Type |
| GJ25 | 24000445 | Chip Jumper, 1680 Type |
| GJ501 | 24000445 | Chip Jumper, 1680 Type |
| H003 | 23344422 | RF Switch, RSU134X1 |
| H003A | 23740989 | Nut, F-Connector |
| J501 | 24000824 | Chip Jumper, 2125Type |
| JM03 | 24000445 | Chip Jumper, 1680 Type |
| JM04 | 24000445 | Chip Jumper, 1680 Type |
| JM06 | 24000445 | Chip Jumper, 1680 Type |
| JM07 | 24000445 | Chip Jumper, 1680 Type |
| JR02 | 24000445 | Chip Jumper, 1680 Type |
| JV504 | 24000445 | Chip Jumper, 1680 Type |
| JX101 | 24000445 | Chip Jumper, 1680 Type |
| JX206 | 24000445 | Chip Jumper, 1680 Type |

| Location No. | Part No. | Description |
|---|---|---|
| JX207 | 24000445 | Chip Jumper, 1680 Type |
| JX222 | 24000445 | Chip Jumper, 1680 Type |
| JX226 | 24000445 | Chip Jumper, 1680 Type |
| JX242 | 24000445 | Chip Jumper, 1680 Type |
| JX246 | 24109103 | Chip, 0.01μF, ±10%, 25V |
| JX475 | 24000445 | Chip Jumper, 1680 Type |
| JX811 | 24000445 | Chip Jumper, 1680 Type |
| JX812 | 24000445 | Chip Jumper, 1680 Type |
| JY02 | 24000445 | Chip Jumper, 1680 Type |
| JY19 | 24000445 | Chip Jumper, 1680 Type |
| JY20 | 24000445 | Chip Jumper, 1680 Type |
| JY22 | 24000445 | Chip Jumper, 1680 Type |
| JY26 | 24000445 | Chip Jumper, 1680 Type |
| JY27 | 24000445 | Chip Jumper, 1680 Type |
| JY29 | 24000445 | Chip Jumper, 1680 Type |
| JY201 | 24000445 | Chip Jumper, 1680 Type |
| JY301 | 24000445 | Chip Jumper, 1680 Type |
| JY504 | 24000445 | Chip Jumper, 1680 Type |
| JZ01 | 24000445 | Chip Jumper, 1680 Type |
| JZ02 | 24000576 | Chip Jumper, 3216 type |
| JZ03 | 24000445 | Chip Jumper, 1680 Type |
| KB11 | 23904946 | Remote Sensor, RPM-676CBR-S |
| P350 | 23368634 | Plug, 25P |
| P410 | 23903025 | Socket, 25P |
| P540 | 23903040 | Socket, 56P |
| P601 | 23902213 | Socket, B-B, 10P |
| P708 | 23902655 | Socket, B-B, 15P |
| P709 | 23902655 | Socket, B-B, 15P |
| P713 | 23164787 | Plug, 7P |
| P714 | 23164787 | Plug, 7P |
| P715 | 23164787 | Plug, 7P |
| P801 | 23372117 | Power Cord |
| PD02 | 23368130 | Plug, 10P |
| PH001 | 23367724 | Plug, B-B,15P |
| PH002 | 23367724 | Plug, B-B,15P |
| PV04 | 23365819 | Jack, 1S3P |
| PV04 | 23365907 | Jack, 5P |
| PV06 | 23903040 | Socket, 56P |
| S602 | 23145412 | Switch, Slide, 2C2P |
| SA11 | 23145226 | Switch, Push, 1C1P |
| SA12 | 23145226 | Switch, Push, 1C1P |
| SA13 | 23145226 | Switch, Push, 1C1P |
| SA14 | 23145226 | Switch, Push, 1C1P |
| SA15 | 23145226 | Switch, Push, 1C1P |
| SA16 | 23145226 | Switch, Push, 1C1P |
| SA17 | 23145226 | Switch, Push, 1C1P |
| SA18 | 23145226 | Switch, Push, 1C1P |
| SR41 | 23146558 | Relay, DC12V |
| SR42 | 23146570 | Relay, DC12V |
| SR81 | 23146574 | Relay, DLS5D1 O(M) 0.15W |
| SR82 | 23146574 | Relay, DLS5D1-O(M) 0.15W |
| V901A | 23902019 | Socket, CRT, 9P |
| V902A | 23902019 | Socket, CRT, 9P |
| V903A | 23902019 | Socket, CRT, 9P |
| W661 | 23351131 | Speaker, SPK-1390, 120X120mm, 16 ohm |
| W662 | 23351131 | Speaker, SPK-1390, 120X120mm, 16 ohm |
| X401 | 23153721 | Ceramic Resonator, 503kHz, TCR1023 |
| X501 | 23153961 | Crystal, 3.58MHz |
| X4401 | 23153721 | Ceramic Resonator, 503kHz, TCR1023 |

| Location No. | Part No. | Description |
|---|---|---|
| X4402 | 23153721 | Ceramic Resonator, 503kHz, TCR1023 |
| XA01 | 23153533 | Ceramic Resonator, 8.00MHz, TCR1082AM |
| XB01 | 23153011 | Ceramic Resonator, 4.00MHz, TCR1050 |
| XM01 | 23153529 | Crystal, 20 MHz |
| XY01 | 23153961 | Crystal, 3.58MHz |
| XY03 | 23153721 | Ceramic Resonator, 503kHz, TCR1023 |
| Z401 | 24082996 | CR Block, TPA5007BH |
| Z405 | 23140203 | SG-GAP, SG99B3EN |
| Z410 | 23110842 | Focus Pack, TPA6031 |
| Z410A | 23505177 | Focus Cable |
| Z450A | 23504953 | Anode Cable |
| ⚠Z801 | 23148734 | Module, HIC1026A, PROTECTOR, HIC1026 |
| ZA01 | 23262286 | Coil, IF, TRF1237AH |
| ZH001 | 23103823 | Filter, TEM2027D |
| ZH002 | 23103823 | Filter, TEM2027D |
| ZH121 | 23103823 | Filter, TEM2027D |
| ZH122 | 23103823 | Filter, TEM2027D |
| ZH141 | 23103823 | Filter, TEM2027D |
| ZH142 | 23103823 | Filter, TEM2027D |
| ZH161 | 23103823 | Filter, TEM2027D |
| ZH162 | 23103823 | Filter, TEM2027D |
| ZT01 | 70108925 | Resonator, 4MHz, TCR1071 |
| ZX110 | 23103823 | Filter, TEM2027D |
| ZX190 | 23103823 | Filter, TEM2027D |
| ZX221 | 23103823 | Filter, TEM2027D |
| ZX241 | 23103823 | Filter, TEM2027D |
| ZX521 | 23103823 | Filter, TEM2027D |
| ZX531 | 23103823 | Filter, TEM2027D |
| ZX541 | 23103823 | Filter, TEM2027D |
| ZX821 | 23246199 | Chip (Ferrite Bead), TRF42R2CG |
| ZX822 | 23246195 | Chip (Ferrite Bead), TRF41R0CG |
| ZX823 | 23246195 | Chip (Ferrite Bead), TRF41R0CG |
| ZY300 | 23103823 | Filter, TEM2027D |
| ZY330 | 23103823 | Filter, TEM2027D |
| ZY340 | 23103823 | Filter, TEM2027D |
| **PC BOARD ASSEMBLIES** | | |
| ✻E031Z | 23785268 | CRT-D/R Board, PB9586B1 |
| ✻E032Z | 23785269 | CRT-D/G Board, PB9586B2 |
| ✻E033Z | 23785270 | CRT-D/B Board, PB9586B3 |
| ✻E034Z | 23785271 | SVM-R Board, PB9586B4 |
| ✻E035Z | 23785272 | SVM-G Board, PB9586B5 |
| ✻E036Z | 23785273 | SVM-B Board, PB9586B6 |
| ✻E041Z | 23785284 | FRONT-CON Board, PB9651-1 |
| ✻E042Z | 23785285 | FRONT-IN Board, PB9651-2 |
| ✻E043Z | 23785286 | REM Board, PB9651-3 |
| ✻U401 | 23785170 | DPC Board, PB9602 |
| ✻U701 | 23785277 | DIGI-CONV Board, PB9585D |
| ✻U801 | 23785276 | DEF/Power Board, PB9582C |
| ✻U901 | 23785275 | Signal/CONV Board, PB9581F (43H70) |
| ✻U901 | 23785586 | Signal/CONV Board, PB9581K (43HX70) |
| ✻UD01 | 23785130 | SRS Board, PB9587 |
| ✻UV01 | 23785120 | A/V Board, PB9583A |
| ✻UZ01 | 23785121 | HYPER PRO. Board, PB9584A |

| Location No. | Part No. | Description |
|---|---|---|
| **PICTURE TUBE** | | |
| ⚠V901R | 23005446 | Protector Coupling R |
| ⚠V902G | 23005447 | Protector Coupling G |
| ⚠V903B | 23005803 | Protector Coupling B |
| **TUNER** | | |
| H001 | 23321389 | Tuner, EL956LW |
| HY01 | 23321369 | Tuner, EL953L |
| **ACCESSORIES** | | |
| K912 | 23306269 | Remote Hand Unit, CT-9954 (43H70) |
| K912 | 23306370 | Remote Hand Unit, CT-90047 (43HX70) |
| AT03 | 23588181 | Battery Cover |
| Y101 | 23563966 | Owner's Manual, English, 43HX70 |
| Y101 | 23565018 | Owner's Manual, English, 43H70 |
| Y101F | 23563967 | Owner's Manual, French, 43HX70 |
| Y101F | 23565019 | Owner's Manual, French, 43H70 |
| **CABINET PARTS** | | |
| A101 | 23465852 | Cabinet, Bottom |
| A102 | 23519892 | Speaker Box R (43H70) |
| A102 | 23527147 | Speaker Box R (43HX70) |
| A103 | 23519893 | Speaker Box L (43H70) |
| A103 | 23527148 | Speaker Box L (43HX70) |
| A201 | 23510392 | Bezel (43H70) |
| A201 | 23540142 | Bezel (43HX70) |
| A202 | 23450289 | Control Panel (43H70) |
| A202 | 23450291 | Control Panel (43HX70) |
| A251 | 23427384 | Door (43H70) |
| A251 | 23427844 | Door (43HX70) |
| A254 | 23445157 | Knob, Power (43H70) |
| A254 | 23445424 | Knob, Power (43HX70) |
| A257 | 23836492 | Spring, Coil |
| A258 | 23451976 | Push, Catch |
| A420 | 23427355 | Back Cover |
| A423 | 23421848 | Piece, Back Cover |
| A424 | 23540128 | Back Bord Cover |
| A505 | 72471068 | Screw, BIDT2 4X12BZ |
| A510 | 23030815 | Screw, PTD #6 X 3/4 |
| A521 | 23030815 | Screw, PTD #6 X 3/4 |
| A533 | 23030815 | Screw, PTD #6 X 3/4 |
| A535 | 23030815 | Screw, PTD #6 X 3/4 |
| A539 | 23030815 | Screw, PTD #6 X 3/4 |
| A541 | 23030815 | Screw, PTD #6 X 3/4 |
| A543 | 72471068 | Screw, BIDT2 4X12BZ |
| A544 | 23030815 | Screw, PTD #6 X 3/4 |
| A701 | 23525619 | Case (43H70) |
| A701 | 23525654 | Case (43HX70) |
| A703 | 23935778 | Packing, Top |
| A707 | 23935780 | Bottom Tray |
| A721 | 23943628 | Cover, Poly |
| K111 | 23430512 | Delta, DELTA67-A/B |
| K112 | 23430512 | Delta, DELTA67-A/B |
| K113 | 23430512 | Delta, DELTA67-A/B |
| K501 | 23430786 | Lenti Sheet, SCREEN43KK-L |

| Location No. | Part No. | Description |
|---|---|---|
| K502 | 23837526 | Fresnel Sheet, SCREEN43DH-F |
| K503 | 23430776 | Contrast Screen, CONT-SCR43DK (43H70) |
| K503 | 23430602 | Contrast Screen, SCR-PRO43AJ (43HX70) |
| K601 | 23430601 | Mirror, MIRROR43J |

| Location No. | Part No. | Description |
|---|---|---|

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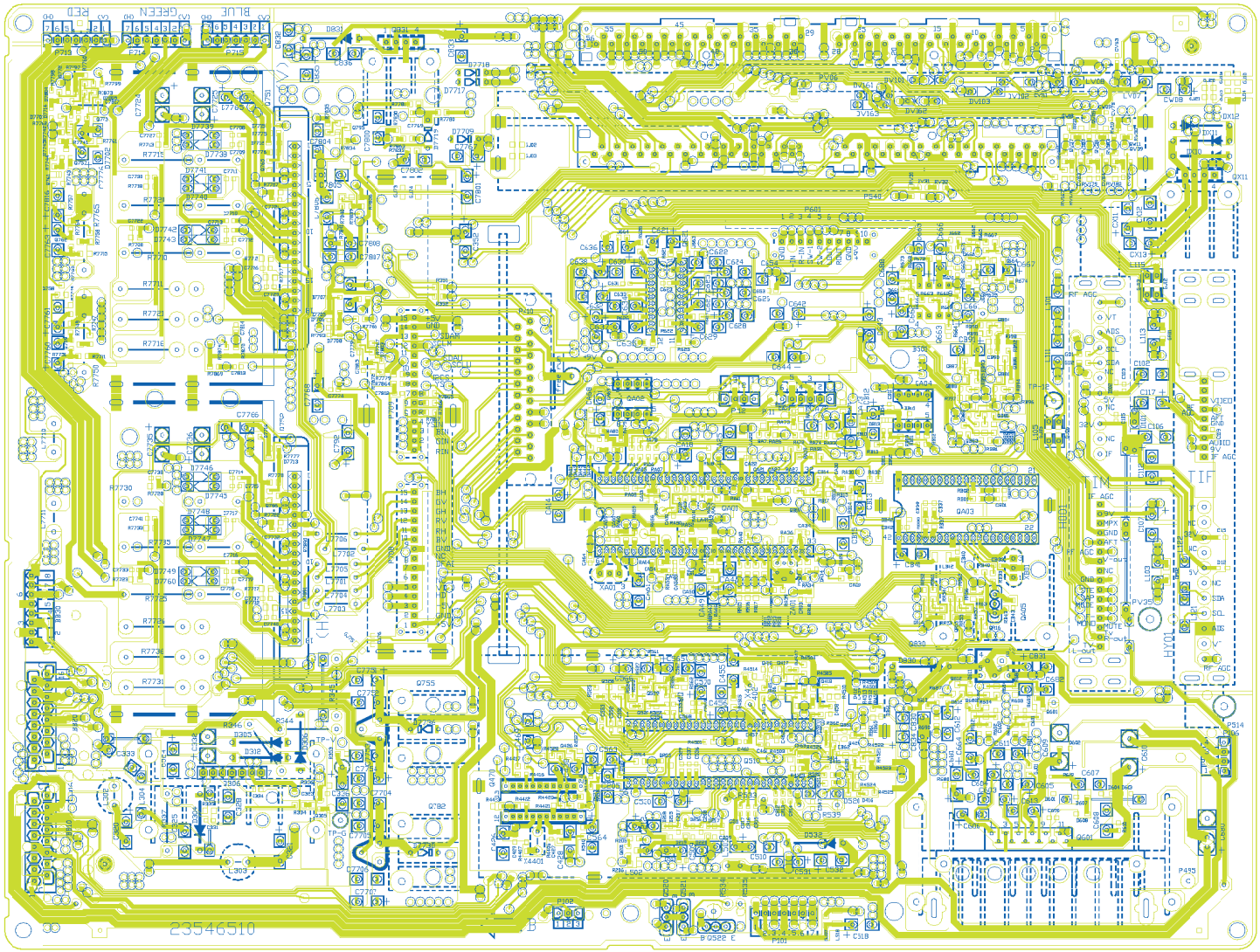
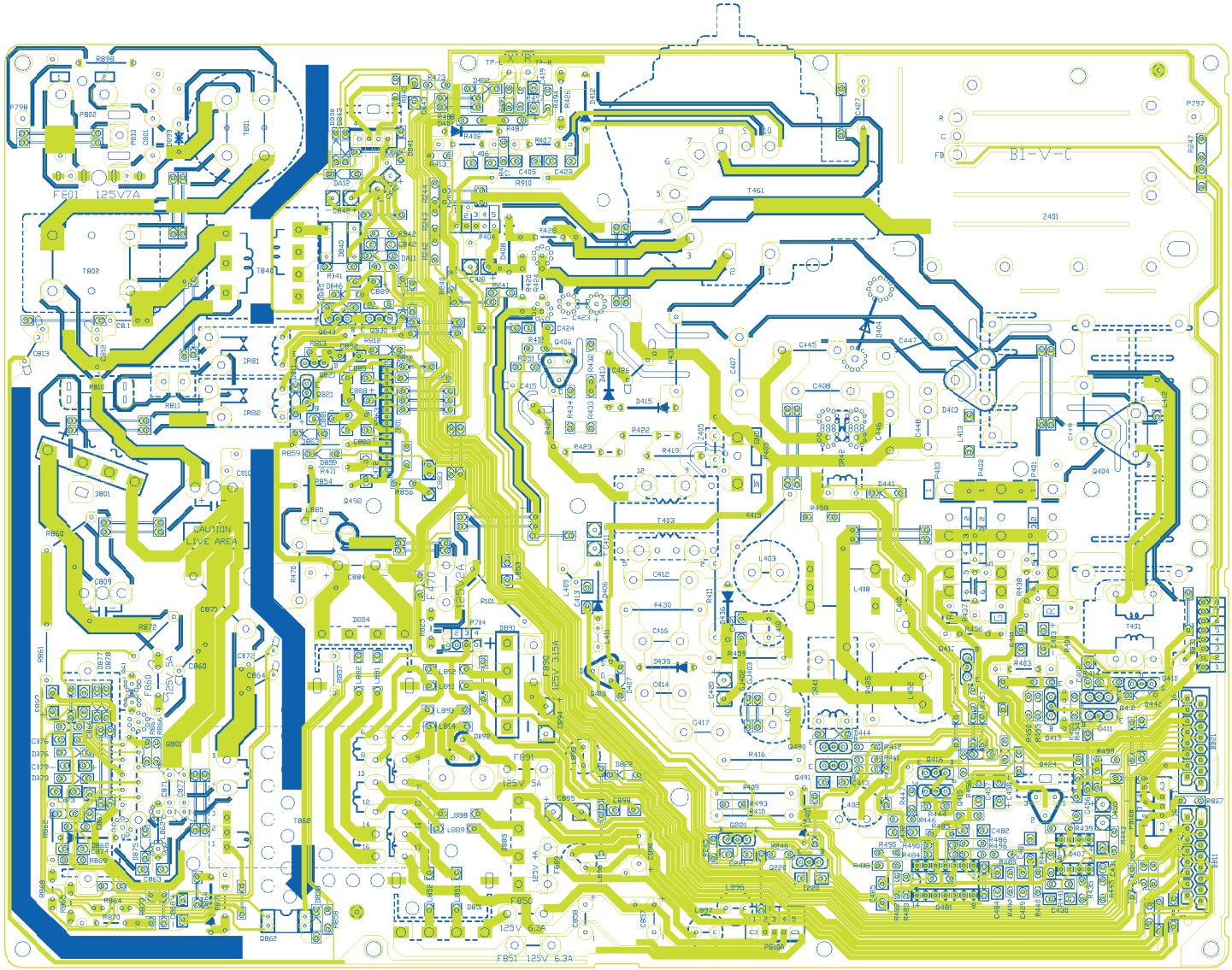
# SIGNAL/CONV BOARD PB9581F

**BOTTOM (FOIL) SIDE**



# DEF/POWER BOARD PB9582C

**BOTTOM (FOIL) SIDE**



# A/V BOARD PB9583A

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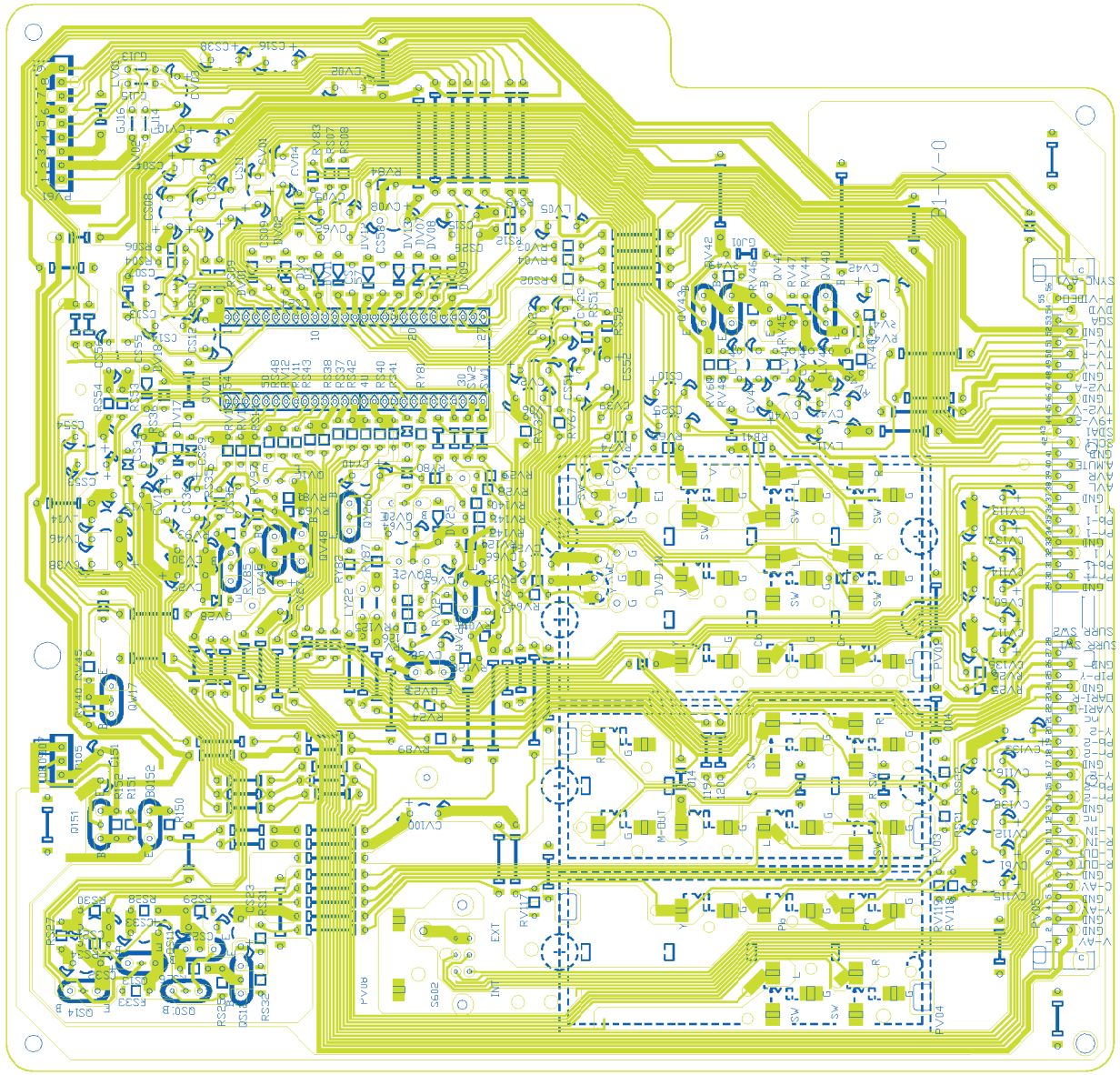
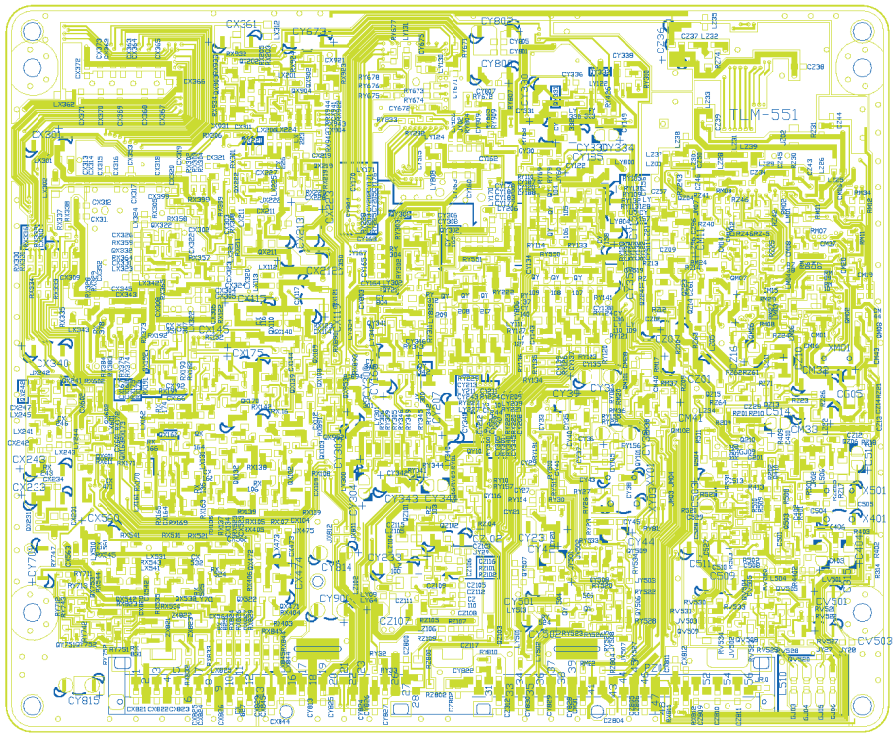


## HYPER PRO BOARD PB9584A

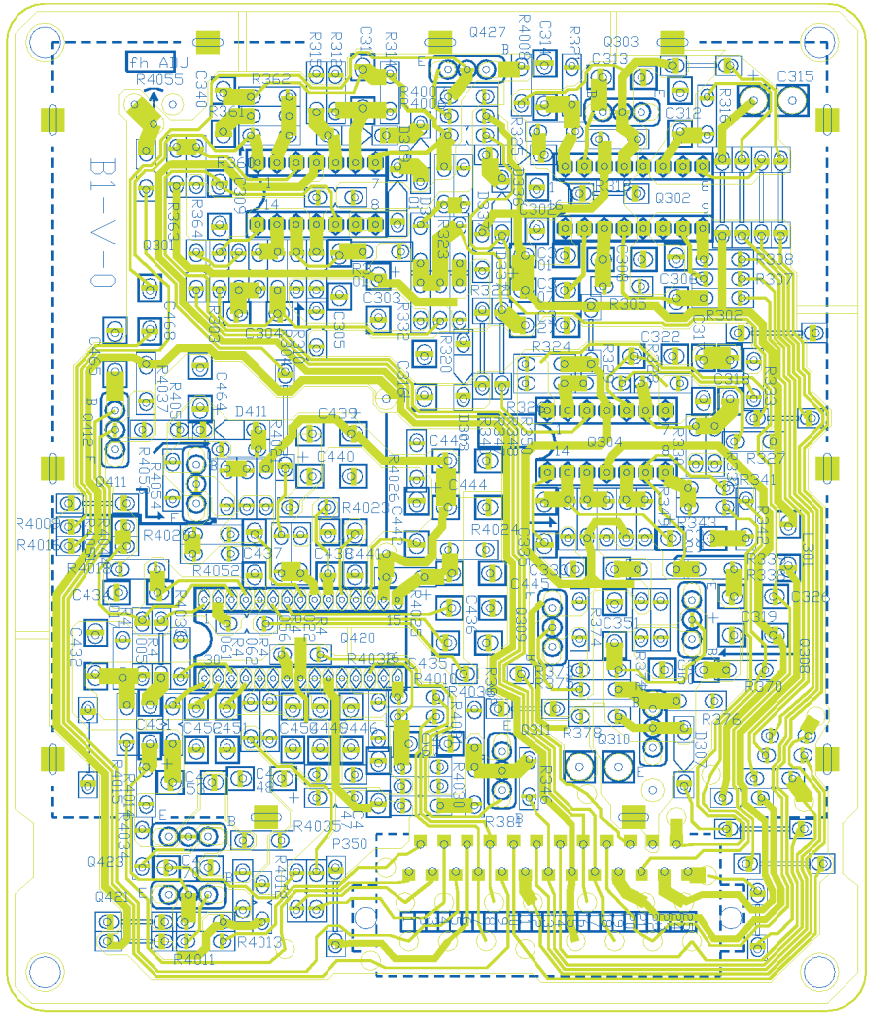
**BOTTOM (FOIL) SIDE**





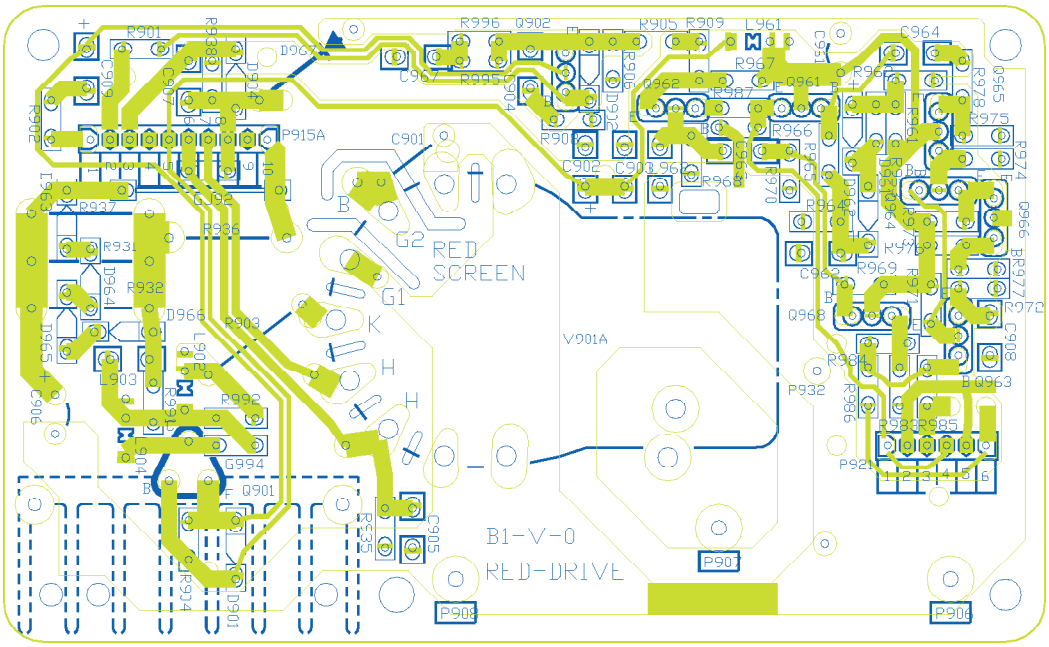
## DPC BOARD PB9602

**BOTTOM (FOIL) SIDE**



## CRT/D-RED BOARD PB9586ZA-1

**BOTTOM (FOIL) SIDE**




## CRT/D-GRN BOARD PB9586ZA-2

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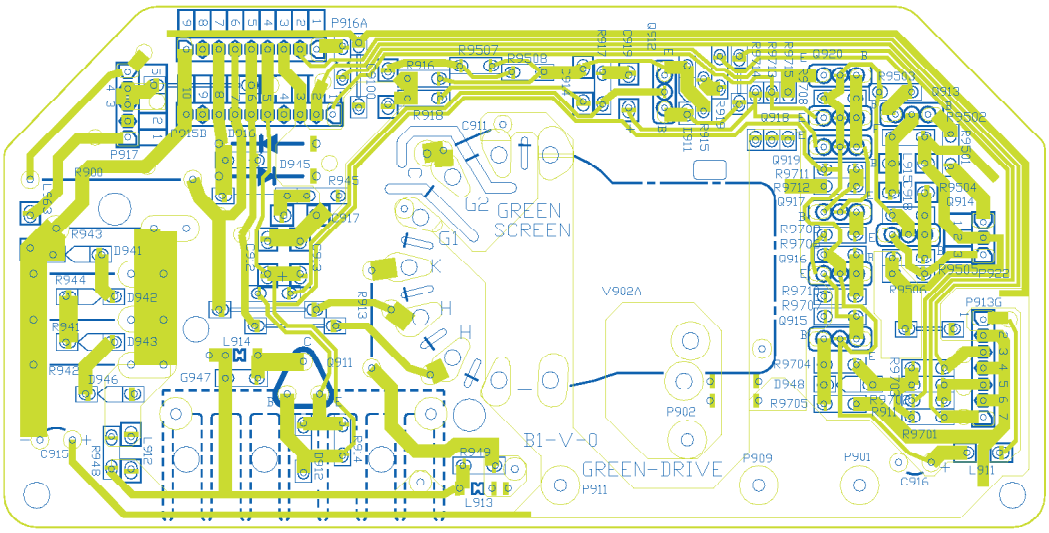

## CRT/D-BLU BOARD PB9586ZA-3

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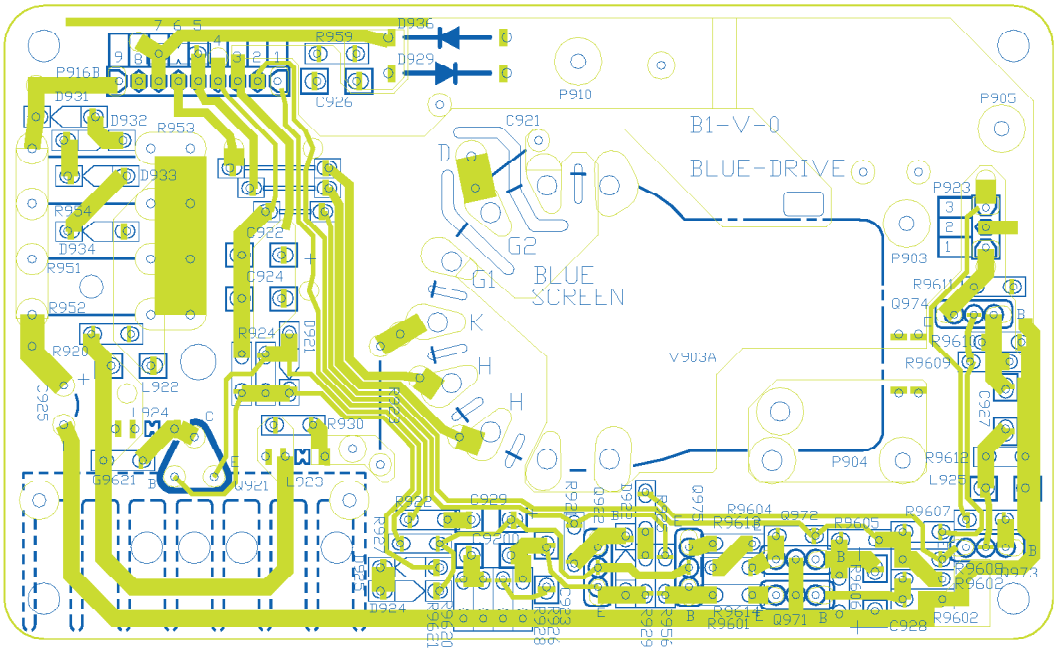
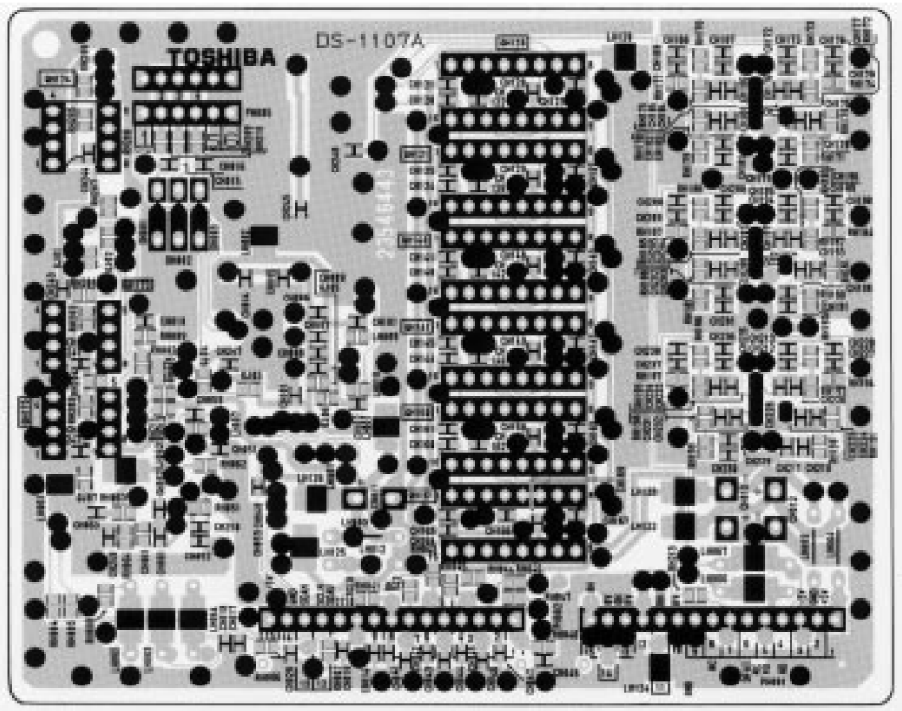


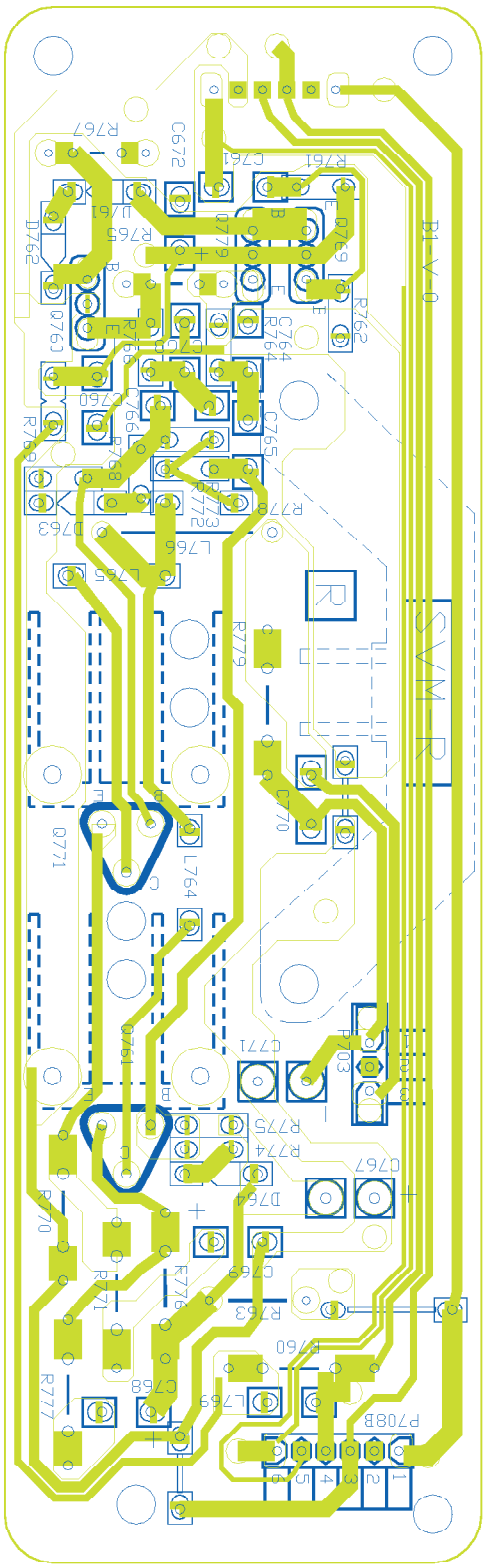

## D-COVER BOARD PB9585D

**BOTTOM (FOIL) SIDE**



## SVM-R BOARD PB9586ZA-4

BOTTOM (FOIL) SIDE




## SVM-G BOARD PB9586ZA-5

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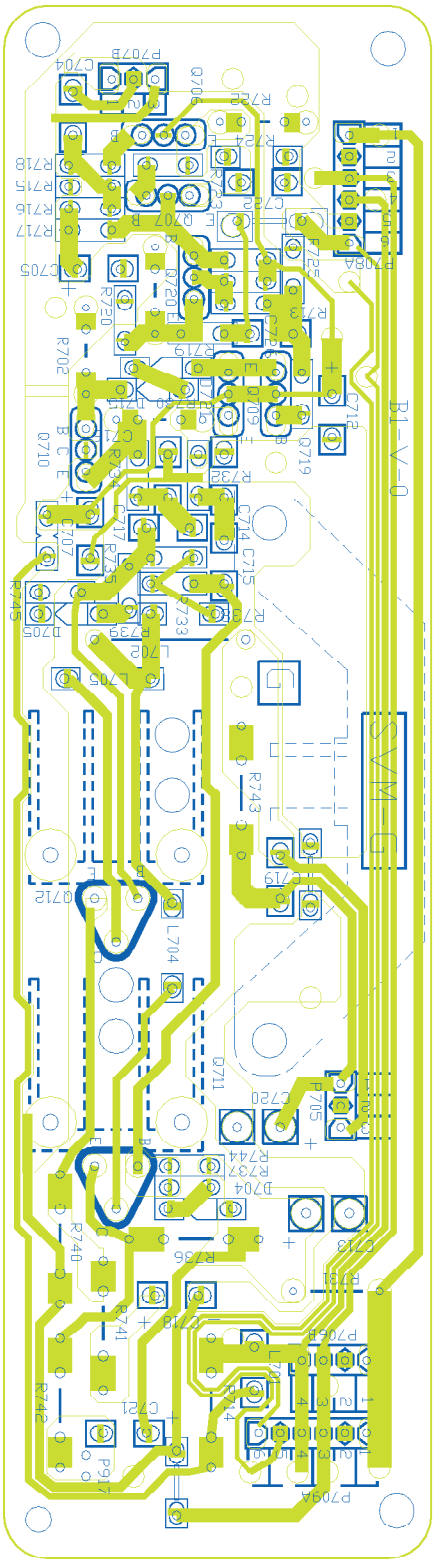
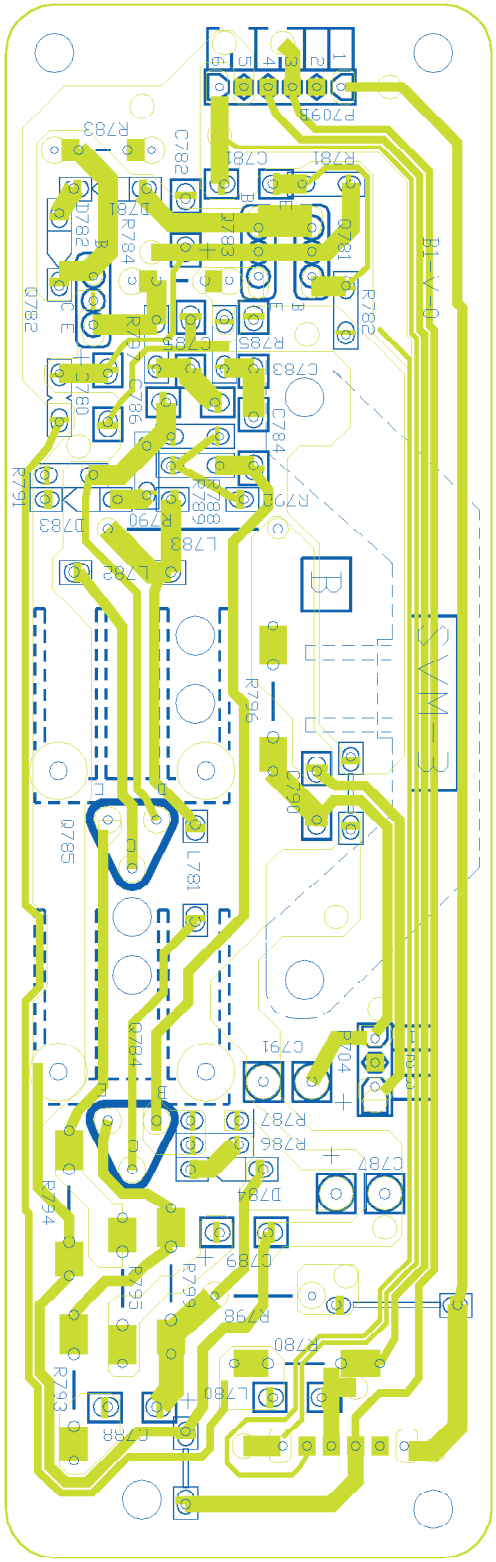


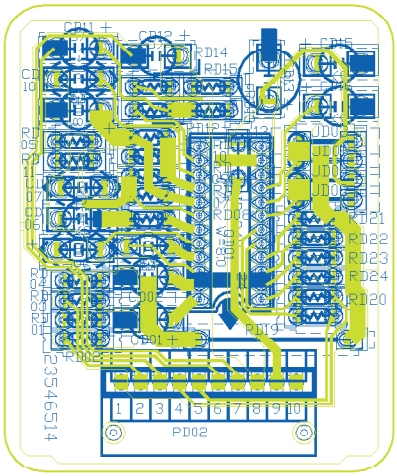
## SVM-B BOARD PB9586ZA-6

**BOTTOM (FOIL) SIDE**



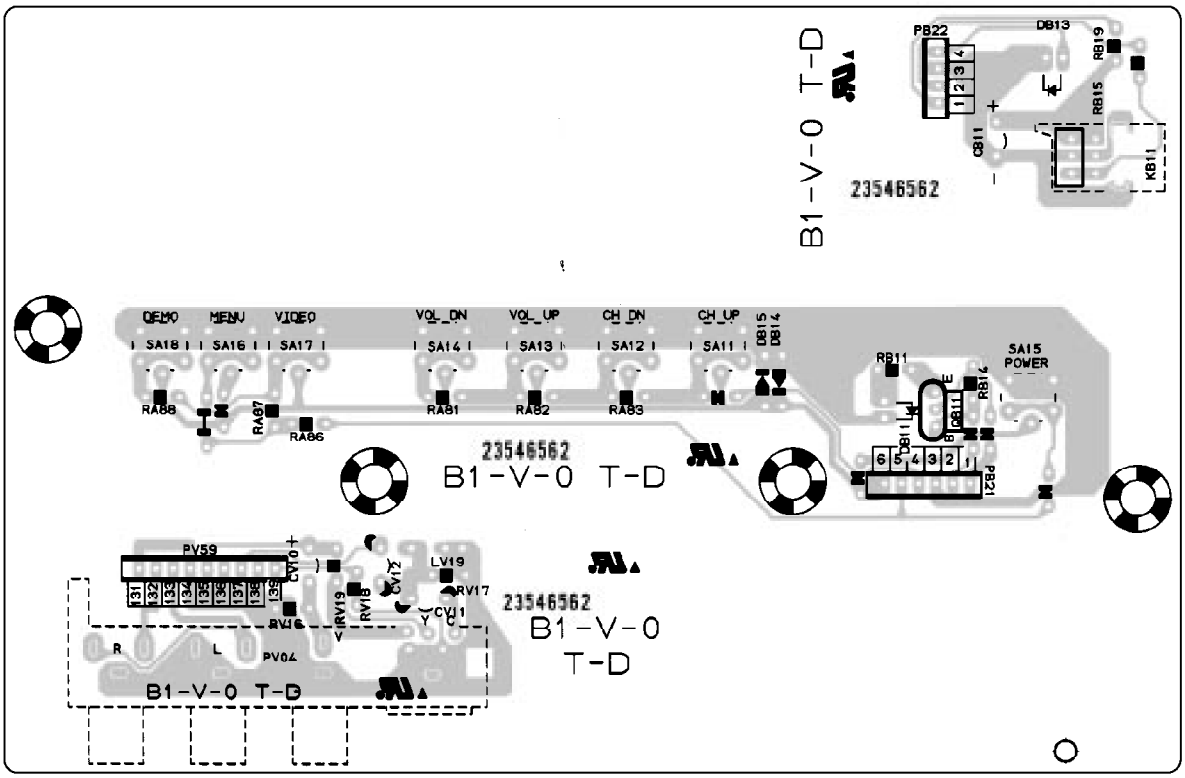
## SRS BOARD PB9587

**BOTTOM (FOIL) SIDE**



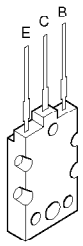
# FRONT BOARD PB9651

**BOTTOM (FOIL) SIDE**



# TERMINAL VIEW OF TRANSISTORS

① 2SC5144




② 2SC3852
2SD1763A
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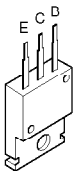
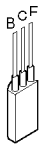
2SC4544
2SA1788
2SA1306
2SA1186A




③ 2SC752GTM
2SC2482
2SC2655
2SC4721P




④ 2SC752
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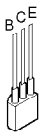
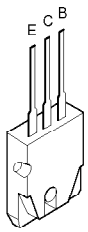
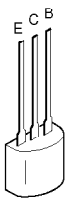
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA933S



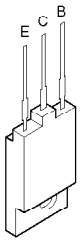

⑤ 2SA1788



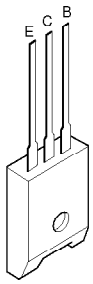

⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201




⑦ 2SD1554
2SD2253
2SD1556
2SD2553
2SC5143




⑧ ON4409



MEMO

MEMO

## SPECIFICATIONS (Representative: 43HX70)

| | |
|---|---|
| TELEVISION SYSTEM | NTSC standard |
| CHANNEL COVERAGE | VHF: 2 through 13<br>UHF: 14 through 69<br>Cable TV: Mid band (A-8 through A-1, A through I)<br>Super band (J through W)<br>Hyper band (AA through ZZ, AAA, BBB)<br>Ultra band (65 through 94, 100 through 125) |
| POWER SOURCE | 120 V AC, 60 Hz |
| POWER CONSUMPTION | 195W (Average) |
| AUDIO POWER | 14 W + 14 W |
| SPEAKER TYPE | Two 4-3/4 inches (12 cm) round |
| VIDEO/AUDIO TERMINALS | S-VIDEO INPUT<br>Y-INPUT: 1V (p-p), 75 ohm, negative sync.<br>C-INPUT: 0.286 V(p-p) (burst signal), 75 ohm<br>VIDEO/AUDIO INPUT<br>VIDEO: 1 V(p-p), 75 ohm, negative sync.<br>AUDIO: 150 mV(rms) (30% modulation equivalent, 47 kohm)<br>ColorStream™ (Component video) INPUT<br>Y-INPUT: 1 V(p-p), 75 ohm<br>$P_R$-INPUT: 0.7 V(p-p), 75 ohm<br>$P_B$-INPUT: 0.7 V(p-p), 75 ohm<br>AUDIO: 150mV(rms). 47 kohm<br>VIDEO/AUDIO OUTPUT<br>VIDEO: 1 V(p-p), 75 ohm, negative sync.<br>AUDIO: 150 mV(rms) (30% modulation equivalent, 4.7 kohm)<br>VARIABLE AUDIO OUTPUT<br>0-300 mV(rms) (30% modulation equivalent, 4.7 kohm)<br>AUDIO CENTER CHANNEL INPUT<br>300 mV(rms) (30% modulation equivalent, 10 kohm) |
| DIMENSIONS/MASS | |

| | Dimension (W/H/D) | Mass |
|---|---|---|
| 43HX70 | 37-3/4 x 42-1/2 x 18-7/16 inches<br>(959 x 1080 x 468 mm) | 133 lbs<br>(60.5 kg) |

| | |
|---|---|
| SUPPLIED ACCESSORIES | Remote Control with 2 size "AA" alkaline batteries |

*Please refer to owner's manual in detail.

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN

# SCHEMATIC DIAGRAM

**MODEL : 43H70** **Chassis No. TAC0070**
**43HX70** **Chassis No. TAC0074**

**WARNING**: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

**CAUTION**: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

**NOTE:**

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
   K = +10% G = +2% F = +1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in $\mu$F, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   —|(+)|— Electolytic capacitor —|(M)|— Mylar capacitor
3. The parts indicated with " ⚠ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 120 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ⊥20% except I.I.V.

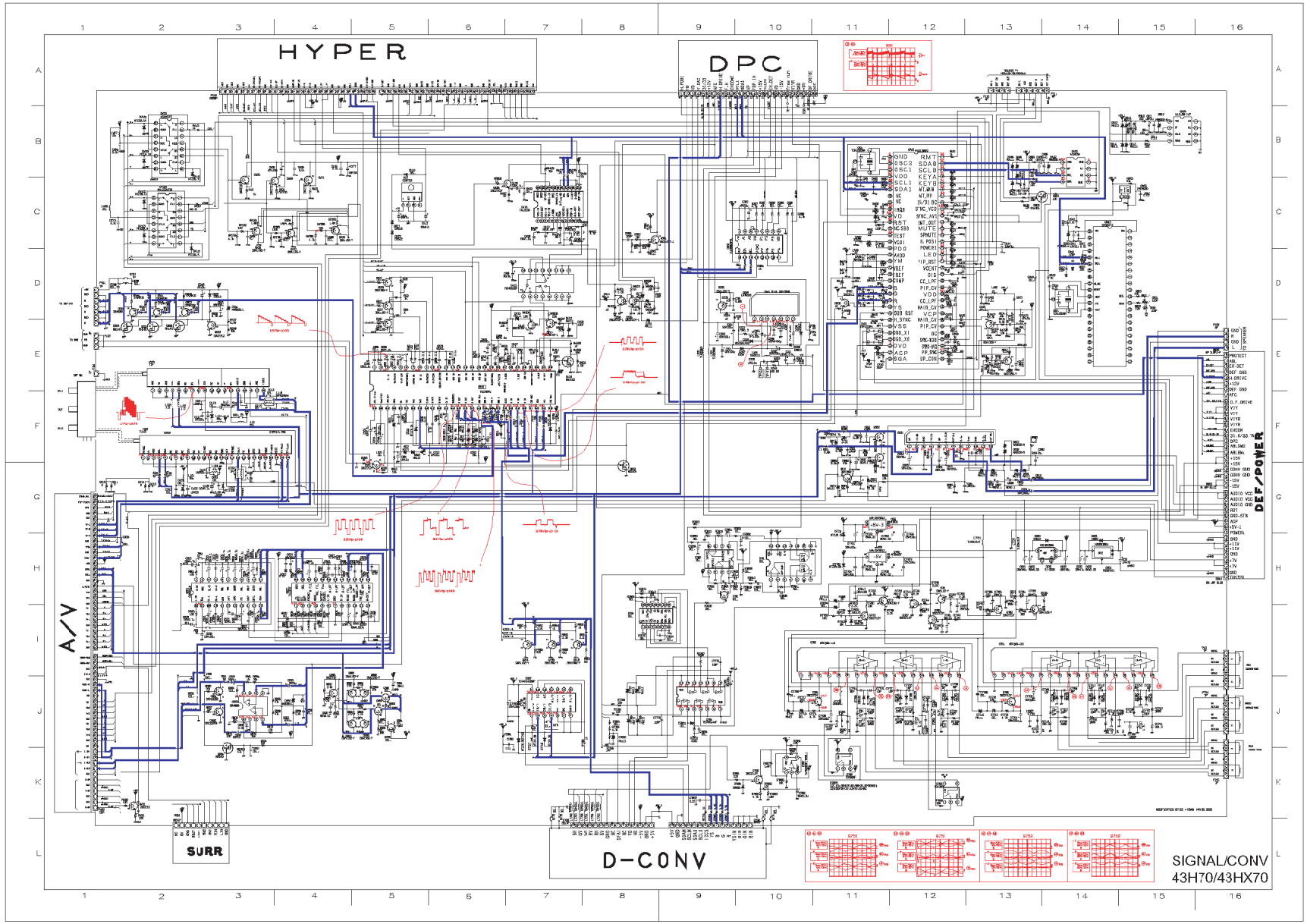
**SCHEMATIC DIAGRAM** **MODEL : 43H70** Chassis No. TAC0070
**43HX70** Chassis No. TAC0074

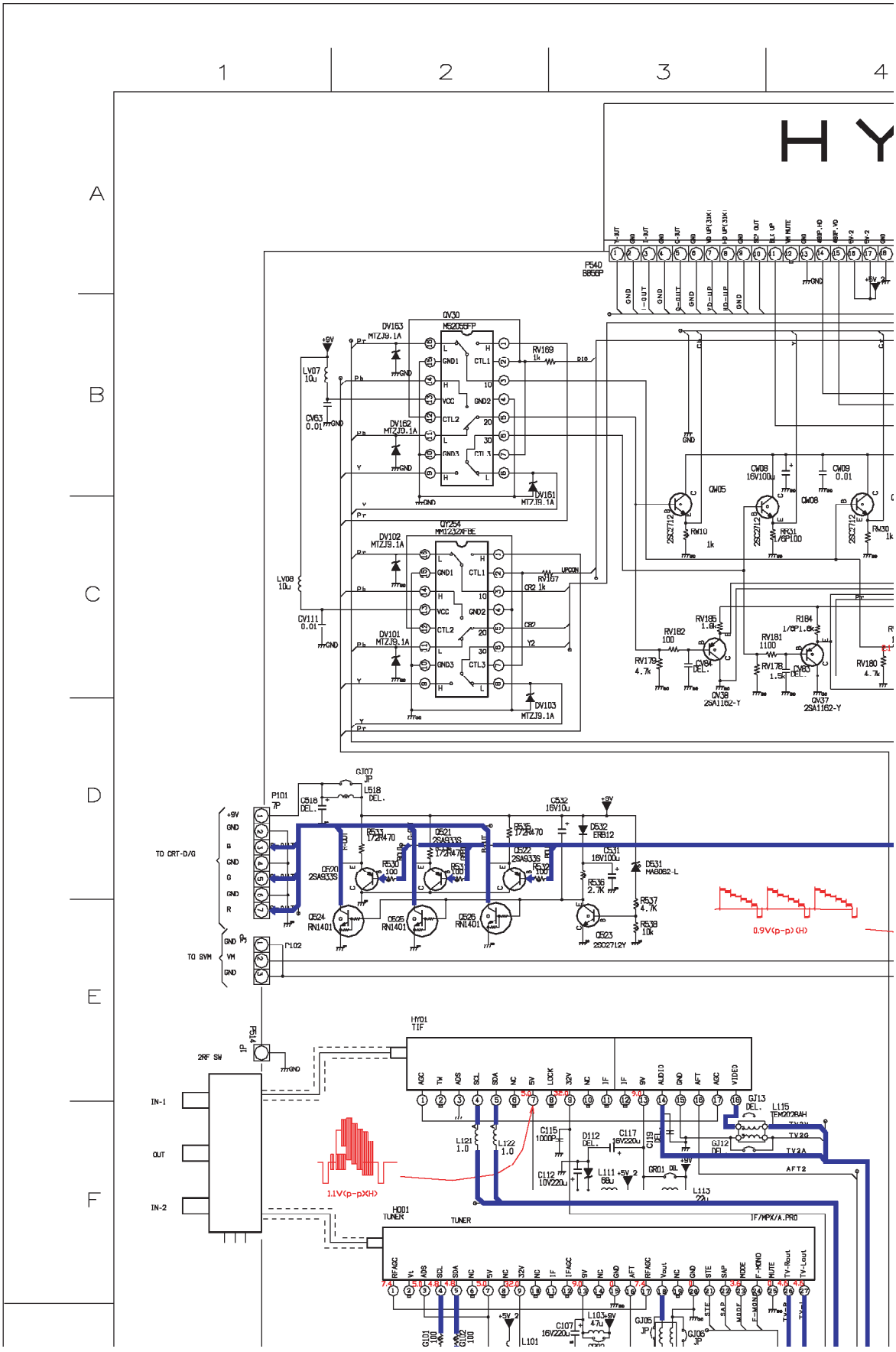
**WARNING** BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

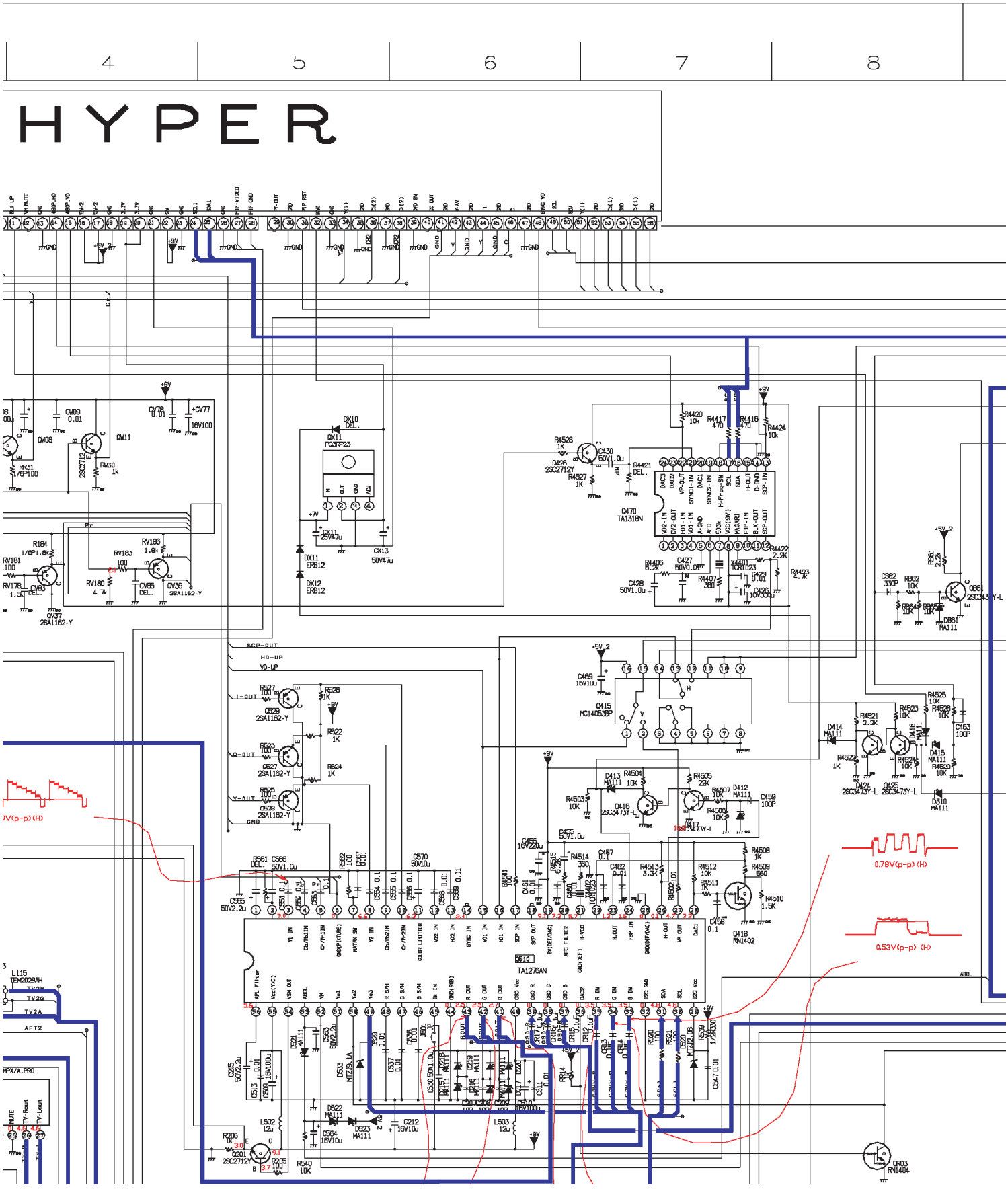
**CAUTION** The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

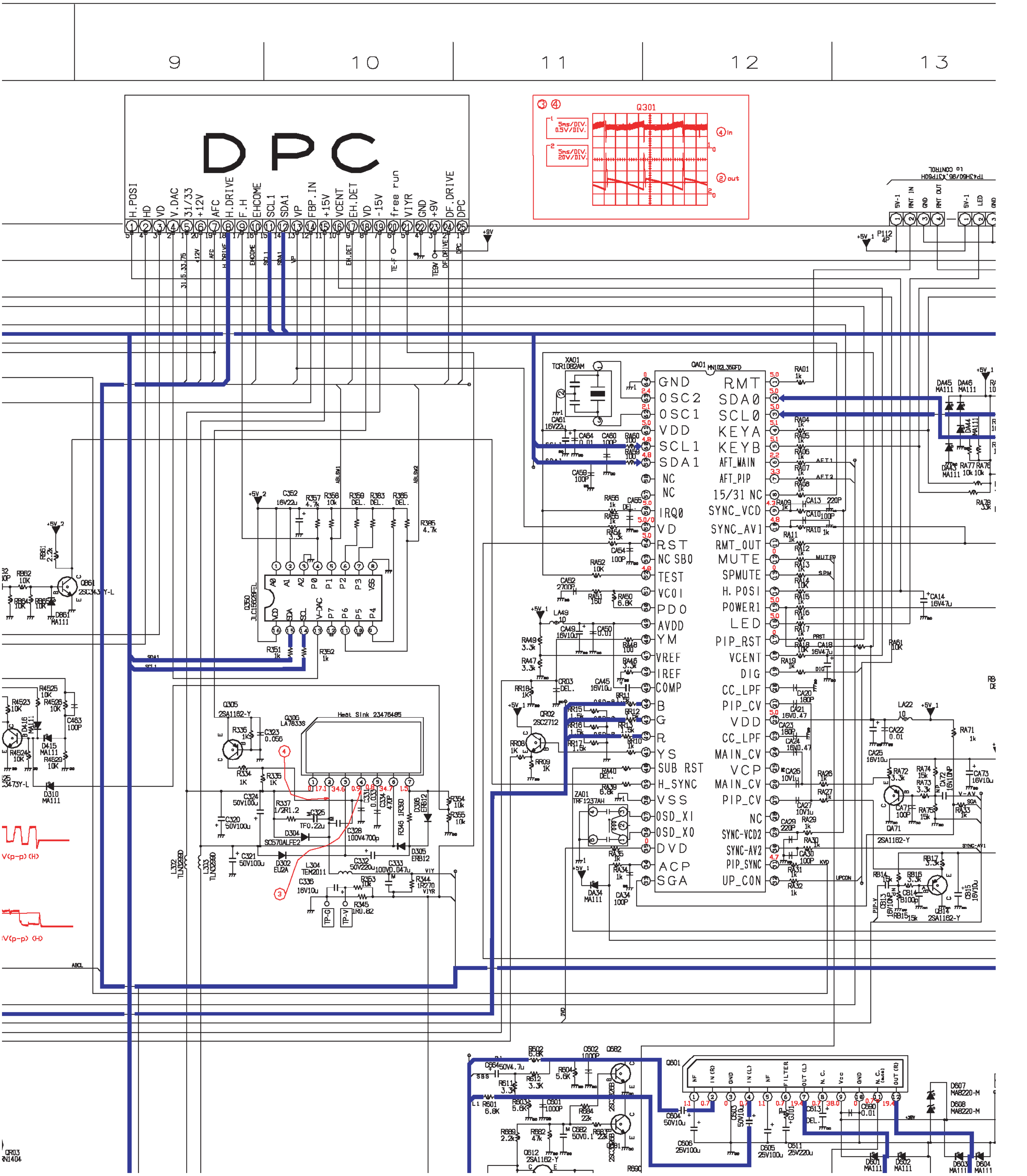
**NOTE:**

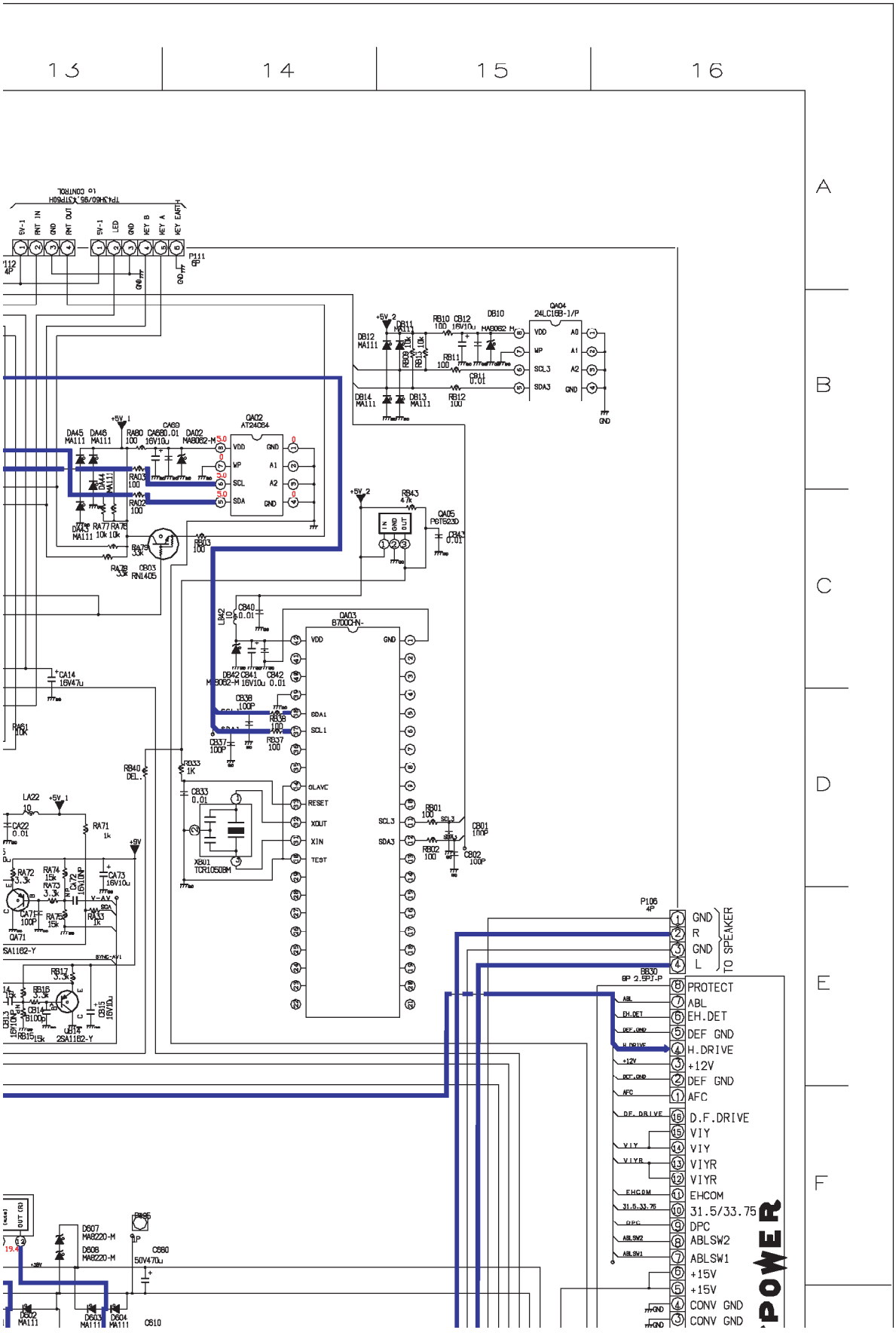
1. RESISTOR Resistance is shown in ohm [K = 1,000, M = 1,000,000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt
   1RF = Fuse resistor of 1 watt
   1/2S = Carbon composition of 1/2 watt
   10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   ⊣| |⊢ Electolytic capacitor ⊣| |⊢ Mylar capacitor
3. The parts indicated with " ⚠ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal line voltage 120 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

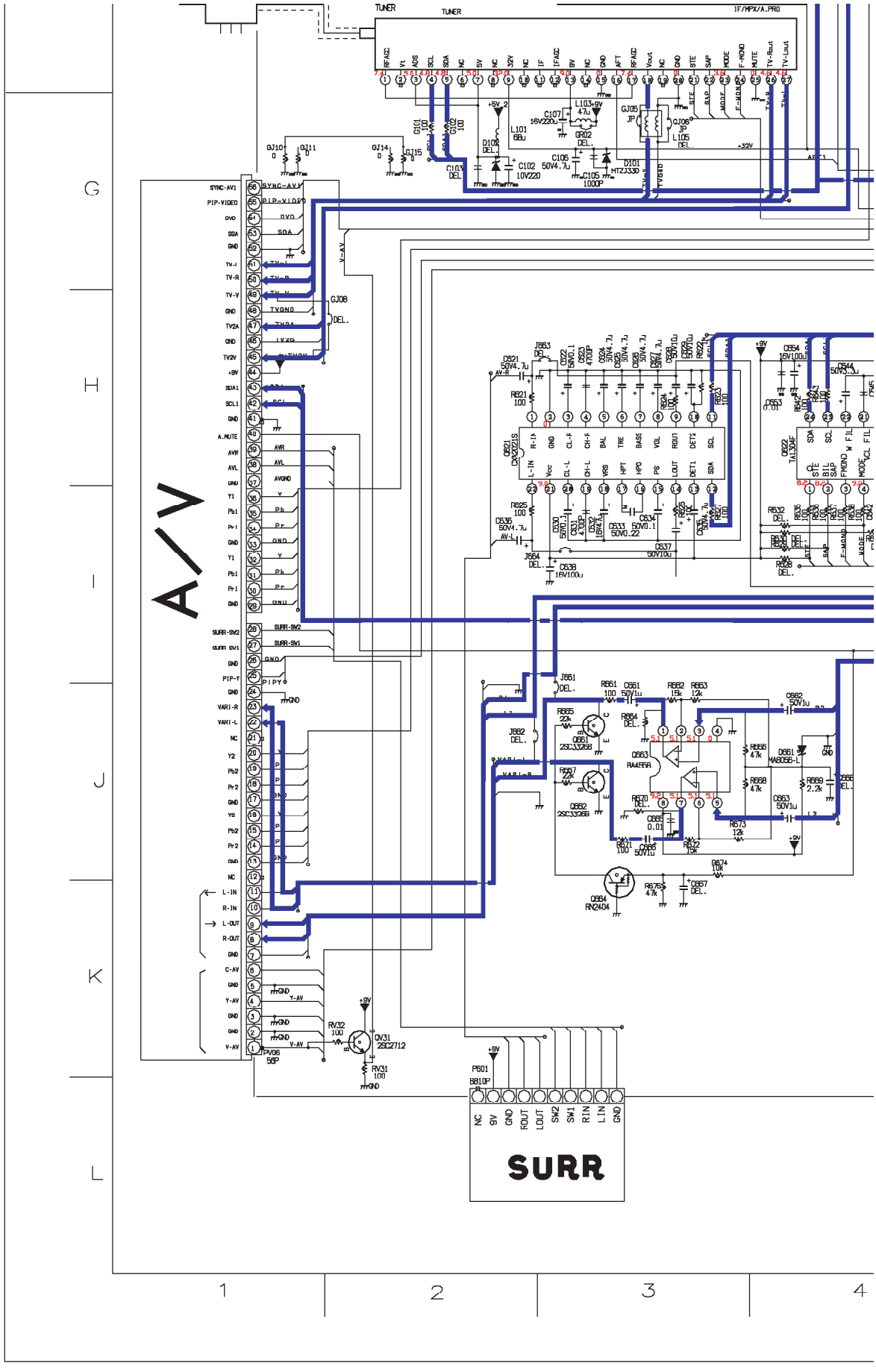


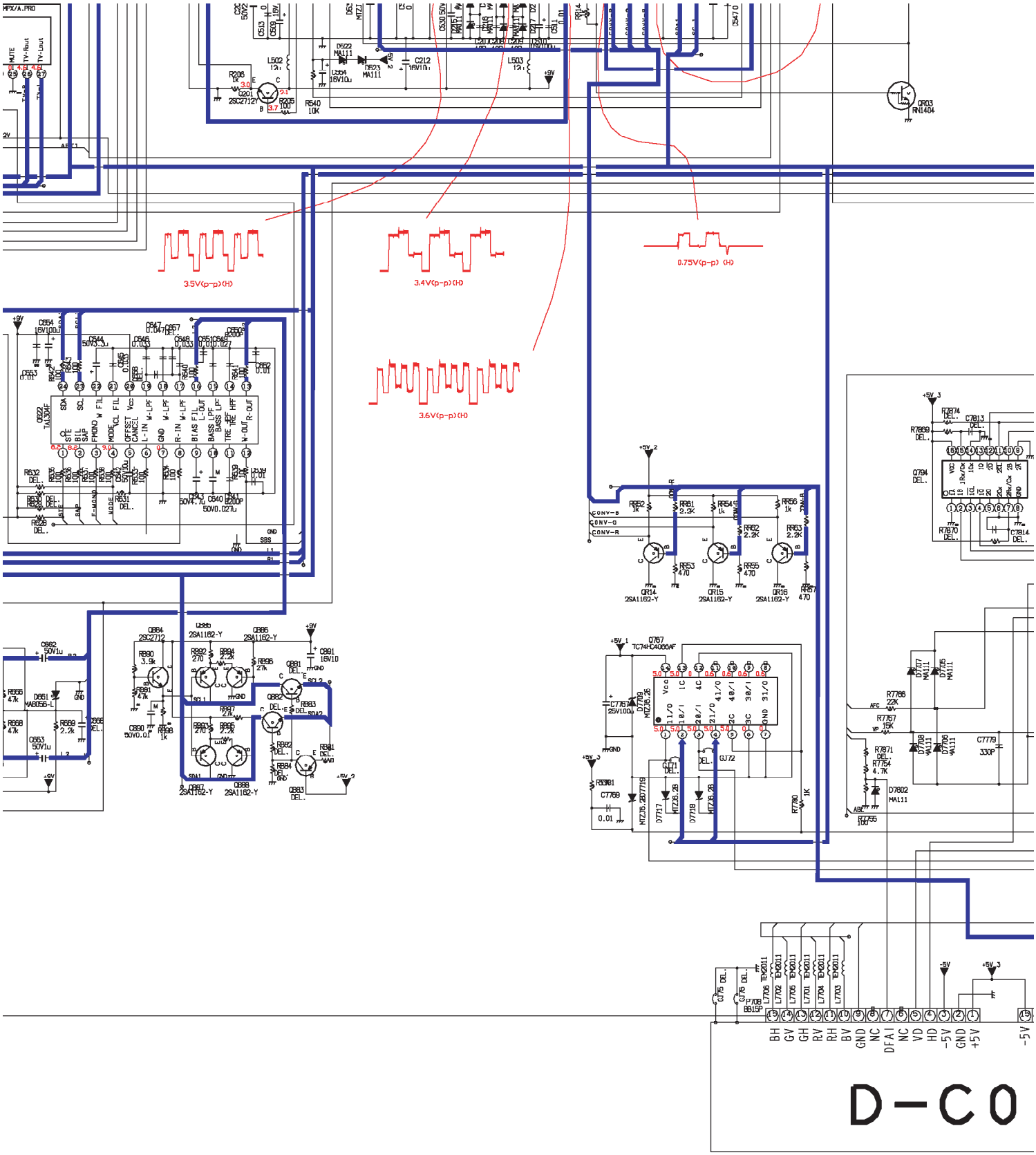

1
2
3
4
A
B
C
D
E
F
HY
P540
B6B6P
DV30
MS2055FP
DV163
MTZJ9.1A
DV162
MTZJ9.1A
DV161
MTZJ9.1A
DV254
MTZJ22FBE
DV102
MTZJ9.1A
DV101
MTZJ9.1A
DV103
MTZJ9.1A
RV169
1k
RV167
CR2 1k
CR2
Y2
LV07
10u
CV63
0.01
LV08
10u
CV111
0.01
CW08
16V100u
CW09
0.01
CW05
2SC2712
RW10
1k
RW31
1/6P100
RW30
1k
RV185
1.8k
RV182
100
RV181
1100
RV178
1.5k
RV179
4.7k
CV84
DEL.
CV83
DEL.
RV180
4.7k
CV38
2SA1162-Y
CV37
2SA1162-Y
R184
1/6P1.8k
GJ07
JP
L518
DEL.
P101
7P
C516
DEL.
TO CRT-D/G
+9V
GND
B
GND
G
GND
R
GND
TO SVM
VM
GND
P102
C532
16V10u
D532
ERB12
D531
16V100u
D531
MA8082-L
R536
2.7K
R537
4.7K
R538
10k
R530
100
R531
100
R533
172R470
R534
172R470
R535
172R470
DE21
2SA933S
DE22
2SA933S
DE20
2SA933S
DE24
RN1401
DE25
RN1401
DE26
RN1401
DE23
2SC2712Y
0.9V(p-p)(H)
HY01
TIF
P104
JP
2RF SW
IN-1
OUT
IN-2
AGC
TW
ADS
SCL
SDA
NC
5V
LOCK
32V
NC
IF
IF
5V
AUDIO
GND
AFT
AGC
VIDEO
GJ13
DEL.
L115
TEM2026AH
TV2G
TV2A
AFT2
GJ12
DEL
C115
1000P
C117
16V220u
D112
DEL.
C112
10V220u
L111
68u
+5V_2
GR01
DEL
L113
22u
L121
1.0
L122
1.0
1.1V(p-p)(H)
HD01
TUNER
TUNER
IF/MPX/A.PRO
RFAGC
VL
ADS
SCL
SDA
NC
5V
NC
32V
NC
IF
IFAGC
5V
NC
GND
AFT
RFAGC
Vout
NC
GND
STE
SNP
MODE
F-MONO
MUTE
TV-Rout
TV-Lout
GJ01
GJ02
L101
L103
4.7u
C107
16V220u
GJ05
GJ06


4
5
6
7
8
HYPER
TA1275AN
TA1318N
MC14053BP
0.78V(p-p) (H)
0.53V(p-p) (H)


9
10
11
12
13
DPC
H.POSI
HD
VD
V.DAC
31/33
+12V
AFC
H.DRIVE
F.H
EHCOME
SCL1
SDA1
VP
FBP.IN
+15V
VCENT
EH.DET
VD
-15V
free run
VIYR
GND
+9V
DF.DRIVE
DPC
Q301
5ms/DIV.
0.5V/DIV.
5ms/DIV.
20V/DIV.
④In
②out
TP43H60/95,43TP60H
to CONTROL
5V-1
RMT IN
GND
RMT OUT
5V-1
LED
GND
P112
4P
QA01 MN102L35GFD
XA01 TCR1082AM
GND
OSC2
OSC1
VDD
SCL1
SDA1
NC
NC
IRQ0
VD
RST
NC SB0
TEST
VCOI
PDO
AVDD
YM
VREF
IREF
COMP
B
G
R
YS
SUB RST
H_SYNC
VSS
OSD_XI
OSD_XO
DVD
ACP
SGA
RMT
SDA0
SCL0
KEYA
KEYB
AFT_MAIN
AFT_PIP
15/31 NC
SYNC_VCD
SYNC_AV1
RMT_OUT
MUTE
SPMUTE
H.POSI
POWER1
LED
PIP_RST
VCENT
DIG
CC_LPF
PIP_CV
VDD
CC_LPF
MAIN_CV
VCP
MAIN_CV
PIP_CV
NC
SYNC-VCD2
SYNC-AV2
PIP_SYNC
UP_CON
Q350
JLC1562BFEL
Q305
2SA1162-Y
Q306
LA7833S
Heat Sink 23476485
QB61
2SC3431Y-L
QR02
2SC2712
QA71
2SA1162-Y
QB14
2SA1162-Y
ZA01
TRF1237AH
Q601
NF
IN (R)
GND
IN (L)
NF
FILTER
OUT (L)
N.C.
Vcc
GND
N.C.
OUT (R)
D601 MA111
D602 MA111
D603 MA111
D604 MA111
D607 MA8220-M
D608 MA8220-M
L302 TLN3299D
L303 TLN3299D
L304 TEM2011
TP-G
TP-V
V(p-p) (H)
V(p-p) (H)

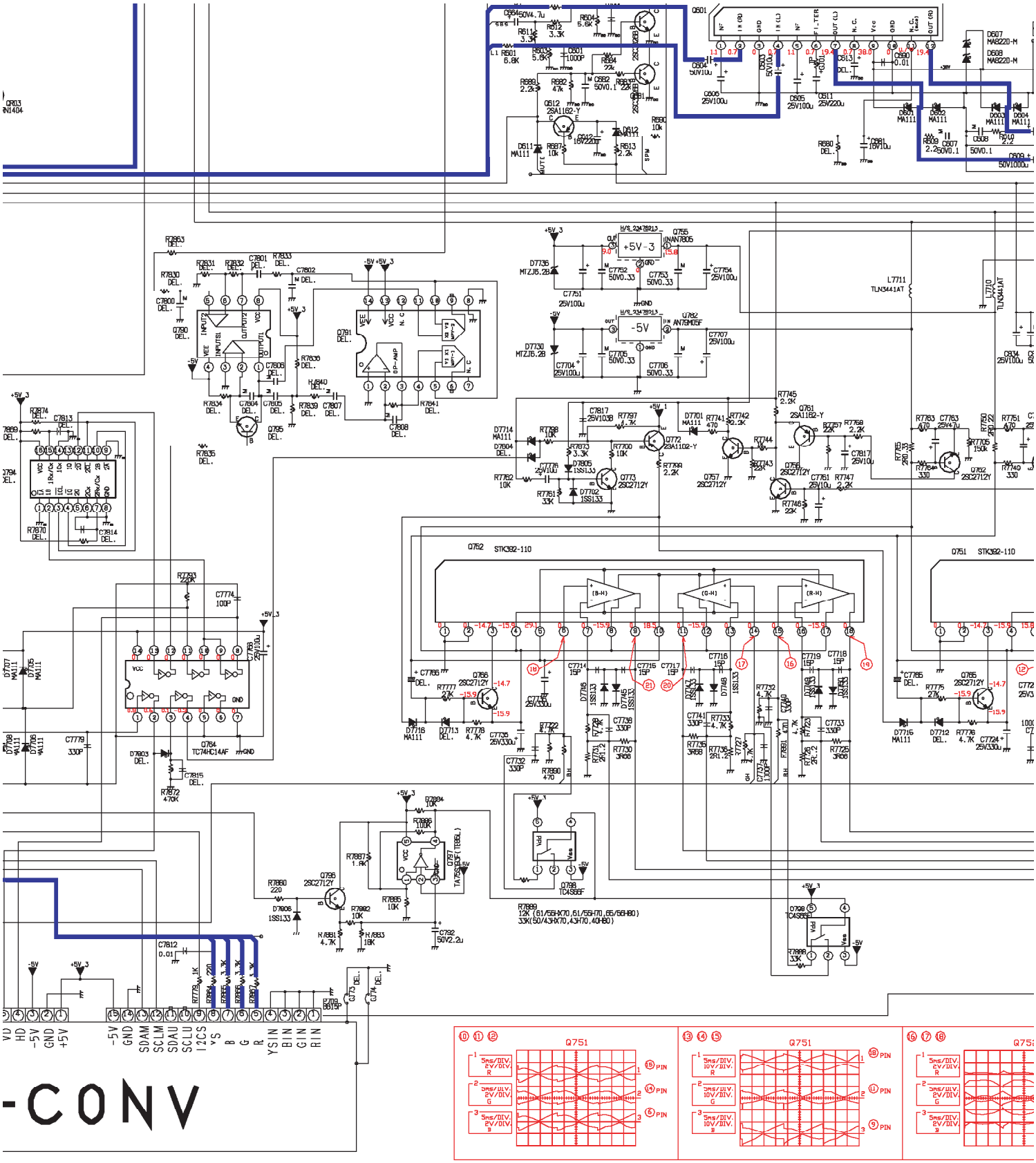

13
14
15
16
A
B
C
D
E
F
P111
6P
P106
4P
GND
R
GND
L
TO SPEAKER
PROTECT
ABL
EH.DET
DEF GND
H.DRIVE
+12V
DEF GND
AFC
D.F.DRIVE
VIY
VIY
VIYR
VIYR
EHCOM
31.5/33.75
DPC
ABLSW2
ABLSW1
+15V
+15V
CONV GND
CONV GND
POWER


TUNER
IF/MPX/A.PRO
A/V
SURR
SYNC-AV1
PIP-VIDEO
DVD
SOA
TV-L
TV-R
TV-V
TVGND
TV2A
TV2V
+9V
SDA1
SCL1
A.MUTE
AVR
AVL
AVGND
Y
Pb
Pr
GND
SURR-SW2
SURR-SW1
P(P-Y
P(P-Y
VAR1-R
VAR1-L
NC
Y2
Pb2
Pr2
Y2
Pb2
Pr2
NC
L-IN
R-IN
L-OUT
R-OUT
GND
C-AV
Y-AV
V-AV
NC
9V
GND
ROUT
LOUT
SW2
SW1
RIN
LIN
GND

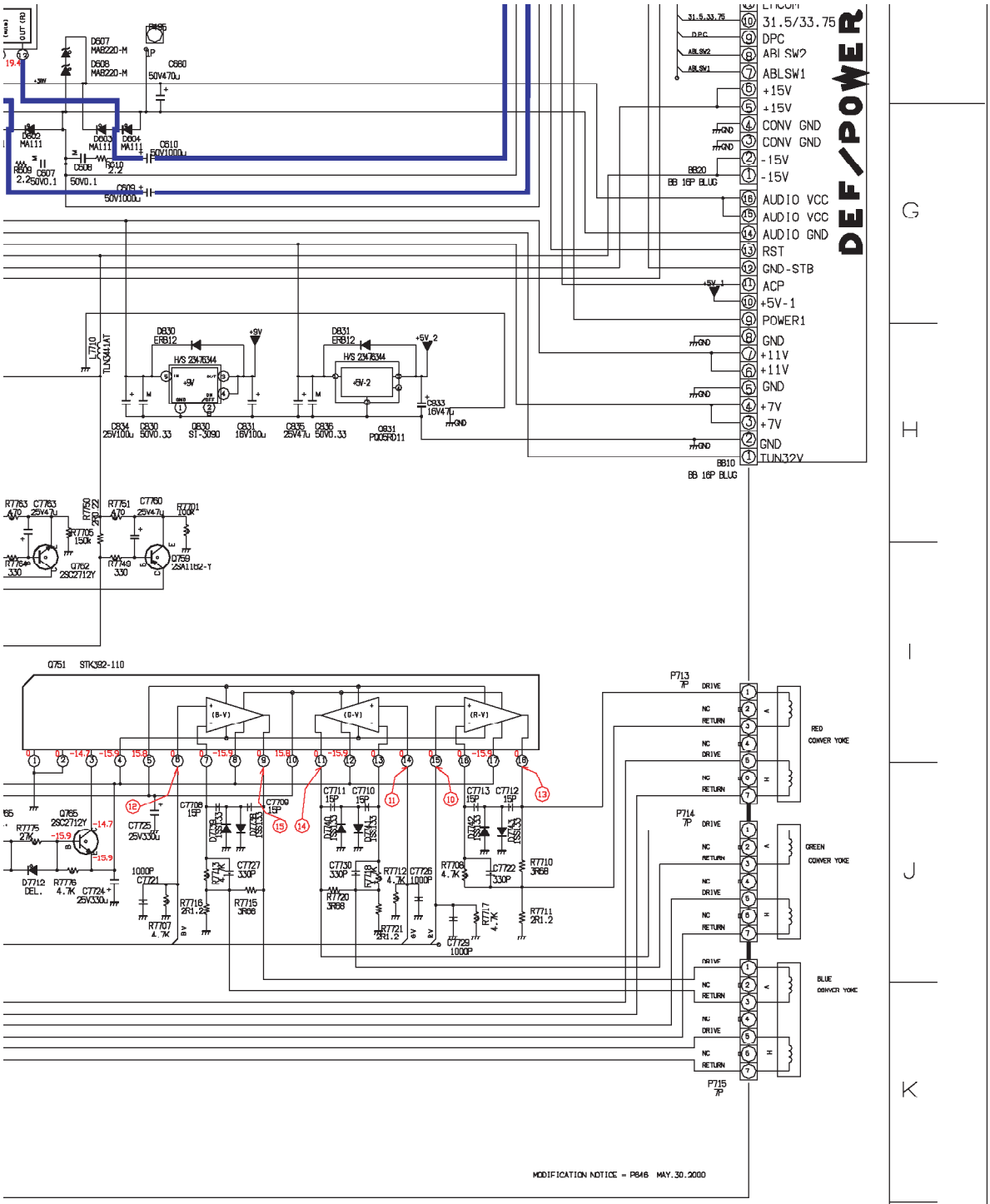

3.5V(p-p)(H)
3.4V(p-p)(H)
0.75V(p-p)(H)
3.6V(p-p)(H)
BH
GV
GH
RV
RH
BV
GND
NC
DFAI
NC
VD
HD
-5V
GND
+5V
-5V

D-C0

| 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|


Q751 STK392-110
Q752 STK392-110
-CONV
VU
HD
-5V
GND
+5V
-5V
GND
SDAM
SCLM
SDAU
SCLU
I2CS
VS
B
G
R
YSIN
BIN
GIN
RIN

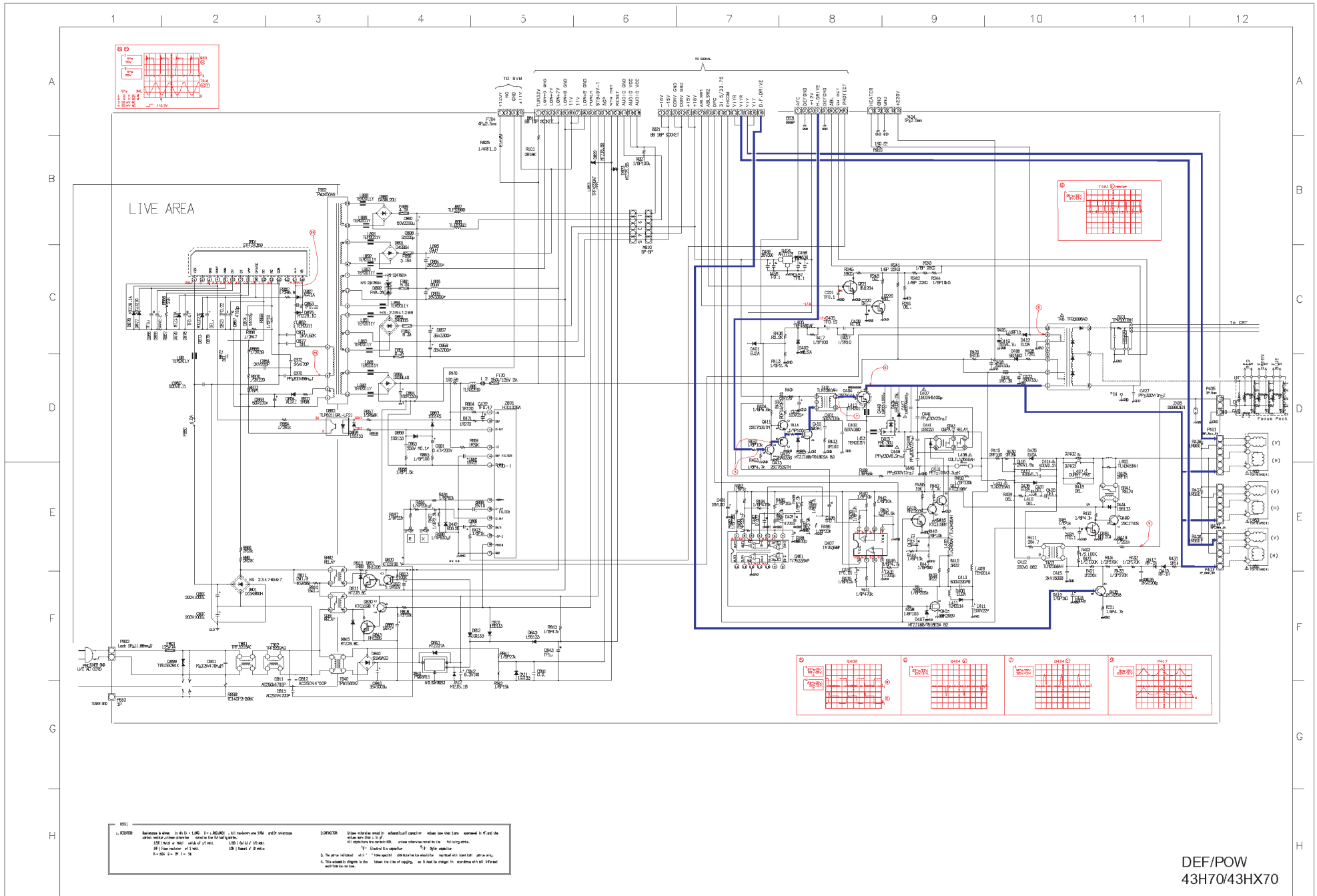
| 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|

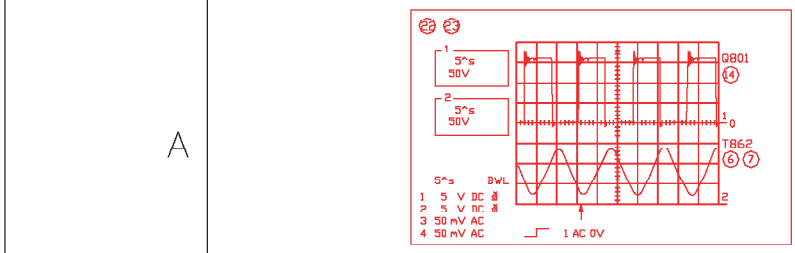



# SIGNAL/CONV
# 43H70/43HX70

G H I J K L

13 14 15 16


LIVE AREA
TO SVM
To CRT
DEF/POW
43H70/43HX70




1 2 3

A

B

C

D

LIVE AREA

T862
TPW3450AS

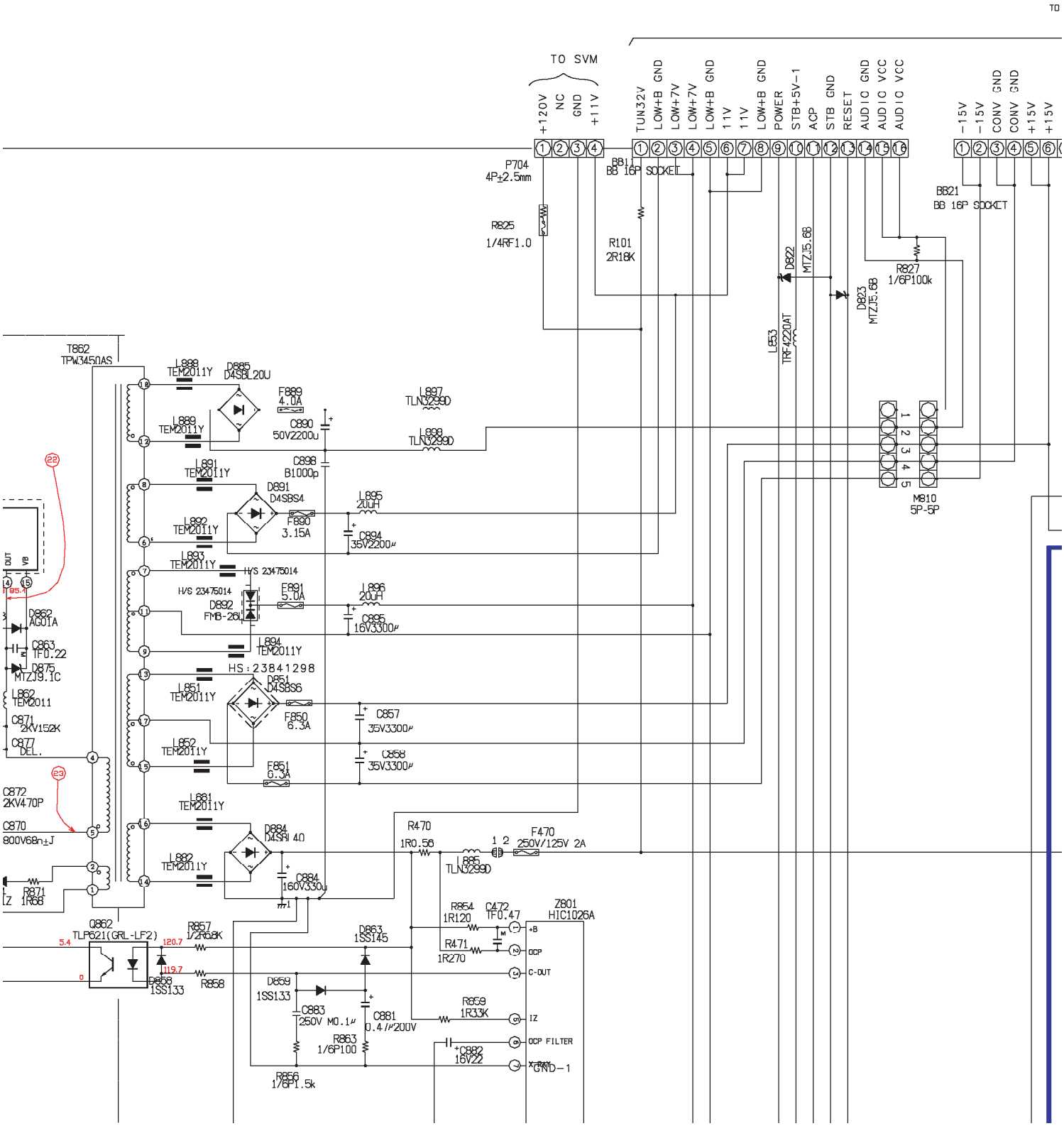
Q801
STR-Z4369

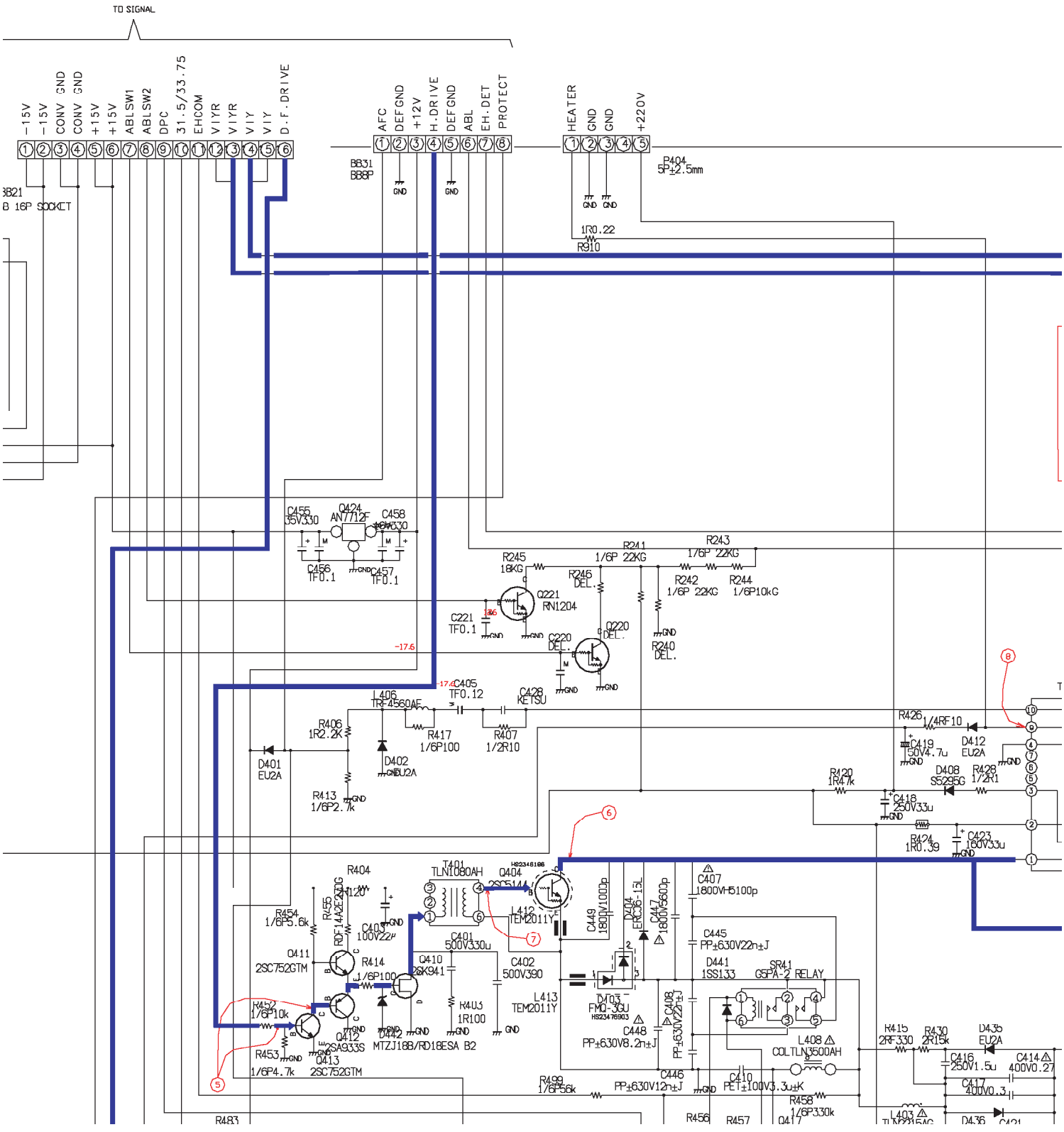
VIN GND CONT CSS CD DT VCC DR1VCC DC RC COM OUT VB

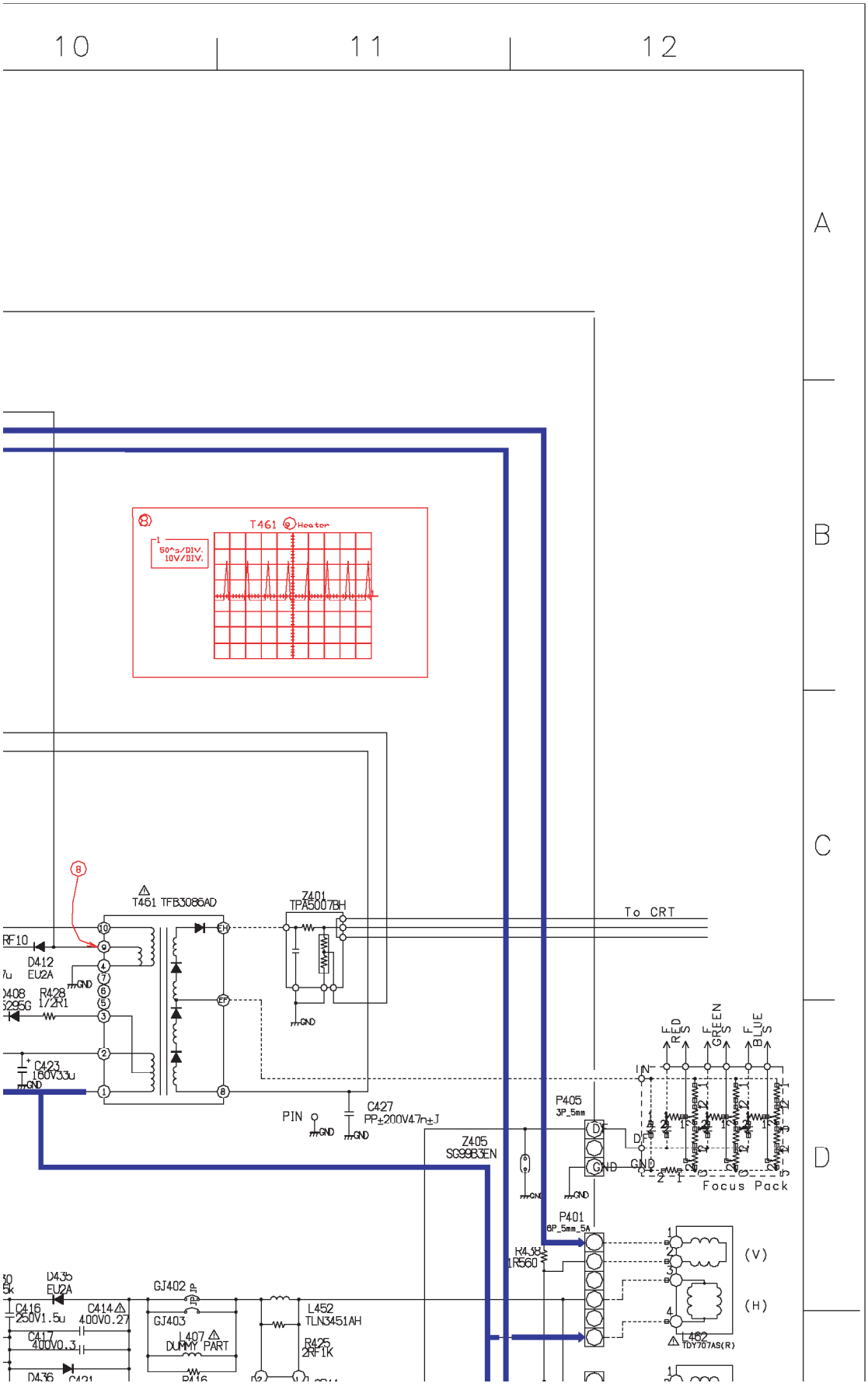
156.7 0 0 2.3 5.8 5.9 3.6 0.3 17.8 7.2 0.8 0 79.3 85.4

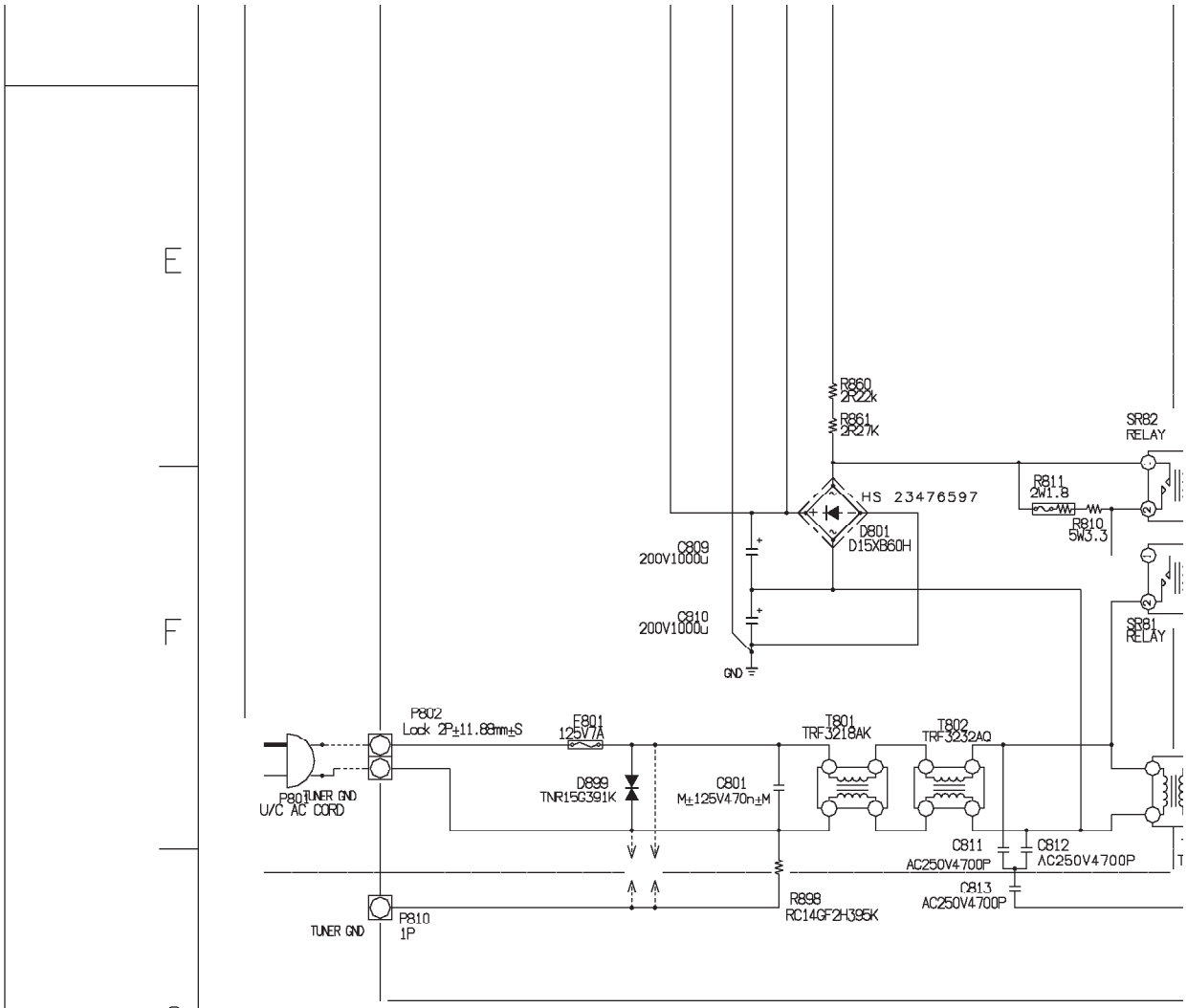
D878 MTZJ9.1A
D877 MTZJ27C
C866 TF1u
C859 200V2.2
R867
R866 27K
D876 MTZJ33A
C876 TF0.47
D873 MTZJ27C
C879 DEL.
C873 TF0.22
C867 4700p
C874 B1000p
R869
R868 1/2R4.7
1/6P10
D862 AC01A
C863 TF0.22
D875 MTZJ9.1C
L862 TEM2011
C871 2KV152K
C877 DEL.
R865 1/2R39
C864 2KV220P
C872 2KV470P
C870 PP±800V68n±J
R870 1/2R120
R873 1/6P1
C868 50V100μ
D864 AL01Z
R871 1/R68
Q862 TLP621(GR
R864 1/2R1k
L861 TEM2011Y
R872 DEL.
C860 500V0.01
F860 4.0A

22
23


3
4
5
6
TO SVM
+120V
NC
GND
+11V
P704
4P±2.5mm
BB11
BB 16P SOCKET
TUN32V
LOW+B GND
LOW+7V
LOW+7V
LOW+B GND
11V
11V
LOW+B GND
POWER
STB+5V-1
ACP
STB GND
RESET
AUDIO GND
AUDIO VCC
AUDIO VCC
-15V
-15V
CONV GND
CONV GND
+15V
+15V
BB21
BB 16P SOCKET
R825
1/4RF1.0
R101
2R18K
R827
1/6P100k
D822
MTZJ5.6B
D823
MTZJ5.6B
L853
TRF4220AT
M810
5P-5P
T862
TPW3450AS
L888
TEM2011Y
D885
D4SBL20U
F889
4.0A
L897
TLN3299D
L889
TEM2011Y
C890
50V2200u
L898
TLN3299D
L891
TEM2011Y
C898
B1000p
D891
D4SBS4
L895
20UH
L892
TEM2011Y
F890
3.15A
C894
35V2200u
L893
TEM2011Y
H/S 23475014
H/S 23475014
F891
5.0A
D892
FMB-26L
L896
20UH
C895
16V3300u
L894
TEM2011Y
HS:23841298
D862
AG01A
C863
1F0.22
D875
MTZJ9.1C
L862
TEM2011
C871
2KV152K
C877
DEL.
L851
TEM2011Y
D851
D4SBS6
F850
6.3A
C857
35V3300u
C858
35V3300u
L852
TEM2011Y
F851
0.3A
C872
2KV470P
C870
800V68n±J
L881
TEM2011Y
D884
D4SRI 40
R470
1R0.56
F470
250V/125V 2A
L885
TLN3299D
L882
TEM2011Y
C884
160V330u
R871
1Z 1R68
Q862
TLP621(GRL-LF2)
R857
1/2R68K
D858
1SS133
R858
D863
1SS145
R854
1R120
C472
1F0.47
R471
1R270
Z801
HIC1026A
+B
OCP
C-OUT
IZ
OCP FILTER
GND-1
D859
1SS133
C883
250V M0.1u
C881
0.47u 200V
R859
1R33K
R863
1/6P100
C882
16V22
R856
1/6P1.5k


7
8
9
10
TO SIGNAL
-15V
-15V
CONV GND
CONV GND
+15V
+15V
ABLSW1
ABLSW2
DPC
31.5/33.75
EHCOM
VIYR
VIYR
VIY
VIY
D.F.DRIVE
AFC
DEFGND
+12V
H.DRIVE
DEFGND
ABL
EH.DET
PROTECT
HEATER
GND
GND
+220V
P404
5P±2.5mm
BB31
BB8P
1R0.22
R910
C455
35V330
Q424
AN7712F
C458
35V330
C456
TF0.1
C457
TF0.1
R245
18KG
R241
1/6P 22KG
R243
1/6P 22KG
R245
DEL.
R242
1/6P 22KG
R244
1/6P10kG
Q221
RN1204
C221
TF0.1
Q220
DEL.
C220
DEL.
R240
DEL.
L406
TR-4560AF
C405
TF0.12
C428
KETSU
R406
1R2.2K
R417
1/6P100
R407
1/2R10
D401
EU2A
D402
EU2A
R413
1/6P2.7k
R426
1/4RF10
C419
50V4.7u
D412
EU2A
D408
S5295G
R428
1/2R1
R420
1R47k
C418
250V33u
R424
1R0.39
C423
160V33u
T401
TLN1080AH
Q404
2SC5144
R404
R455
RDF-14AZE2470G
C403
100V22u
R454
1/6P5.6k
Q411
2SC752GTM
R414
1/6P100
Q410
2SK941
C401
500V330u
C402
500V390
L412
TEM2011Y
L413
TEM2011Y
C449
1800V1000p
D404
ERC36-15L
C447
1800V5600p
C407
1800VH-5100p
C445
PP±630V22n±J
D441
1SS133
SR41
G5PA-2 RELAY
C408
PP±630V22n±J
C448
PP±630V8.2n±J
C446
PP±630V12n±J
C410
PET±100V3.3u±K
L408
COILTLN3500AH
R458
1/6P330k
R499
1/6P56k
R456
R457
R483
R452
1/6P10k
R453
1/6P4.7k
Q412
2SA933S
Q413
2SC752GTM
D442
MTZJ18B/RD18ESA B2
R405
1R100
R415
2RF330
R430
2R15k
D435
EU2A
C416
250V1.5u
C414
400V0.27
C417
400V0.3
D436
L403
C421
B21
B 16P SOCKET


10
11
12
A
B
C
D
T461 Heater
50^s/DIV.
10V/DIV.
T461 TFB3086AD
Z401
TPA5007BH
To CRT
D412
EU2A
R428
1/2W1
C423
160V33u
GND
P1N
C427
PP±200V47n±J
Z405
SG98B3EN
P405
3P_5mm
IN
F. RED
F. GREEN
F. BLUE
Focus Pack
P401
6P_5mm_5A
(V)
(H)
D435
EU2A
C416
250V1.5u
C414
400V0.27
C417
400V0.3
GJ402
GJ403
L407
DUMMY PART
L452
TLN3451AH
R425
2W1K




NOTE|

1. RESISTOR Resistance is shown In ohm (k = 1,000. M = 1,000,000) , All resistors are 1/6W and 5% tolerance carbon resistor,unless otherwise noted as the following marks.

1/2R | Metal or Metal oxide of 1/2 watt

1/2S | Solid of 1/2 watt

1RF | Fuse resistor of 1 watt

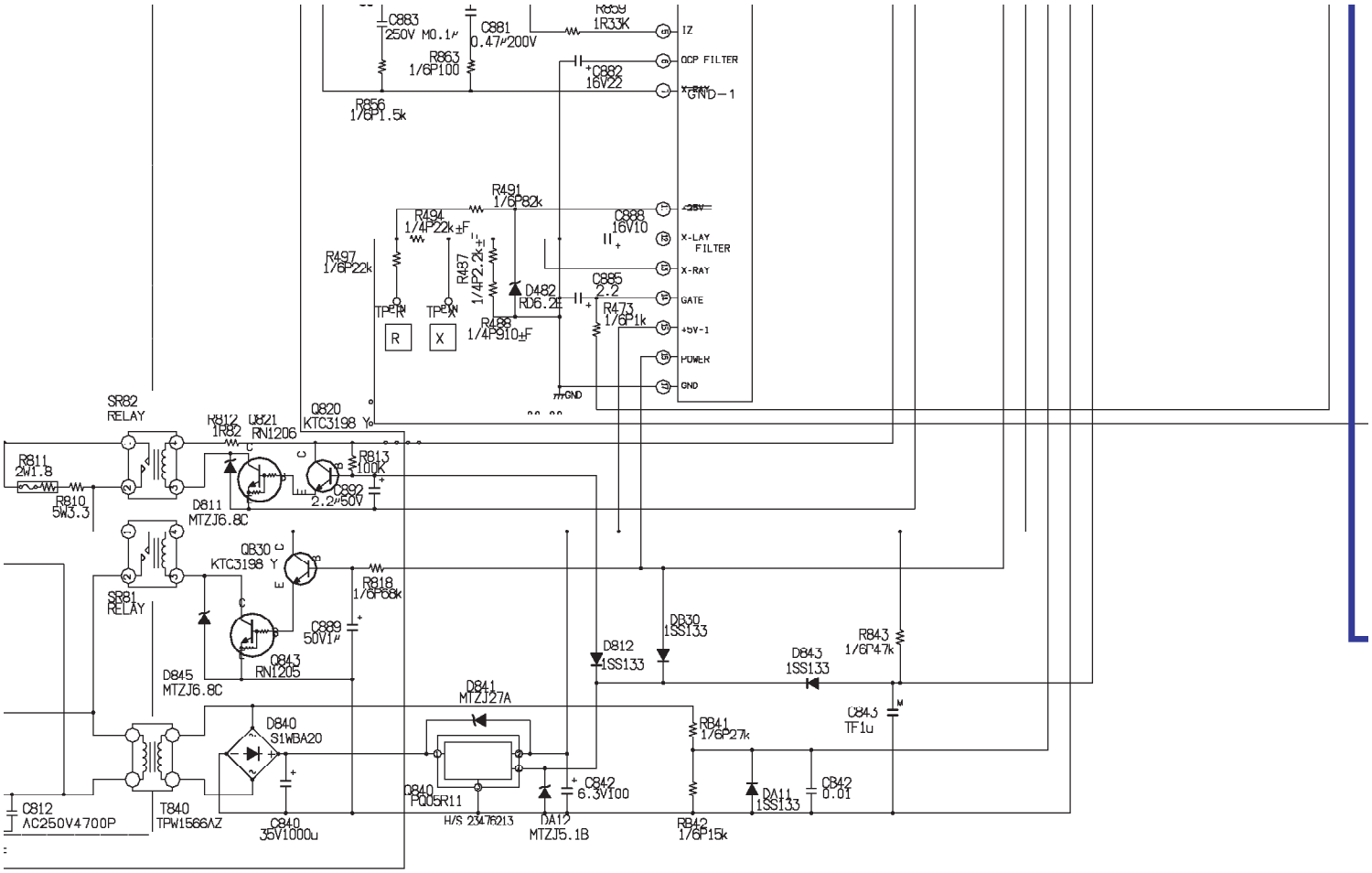
10W | Cement of 10 watts

K = ±10% G = 2% F = 1%

2.CAPACITOR

3. The parts

4. This schem
modificati

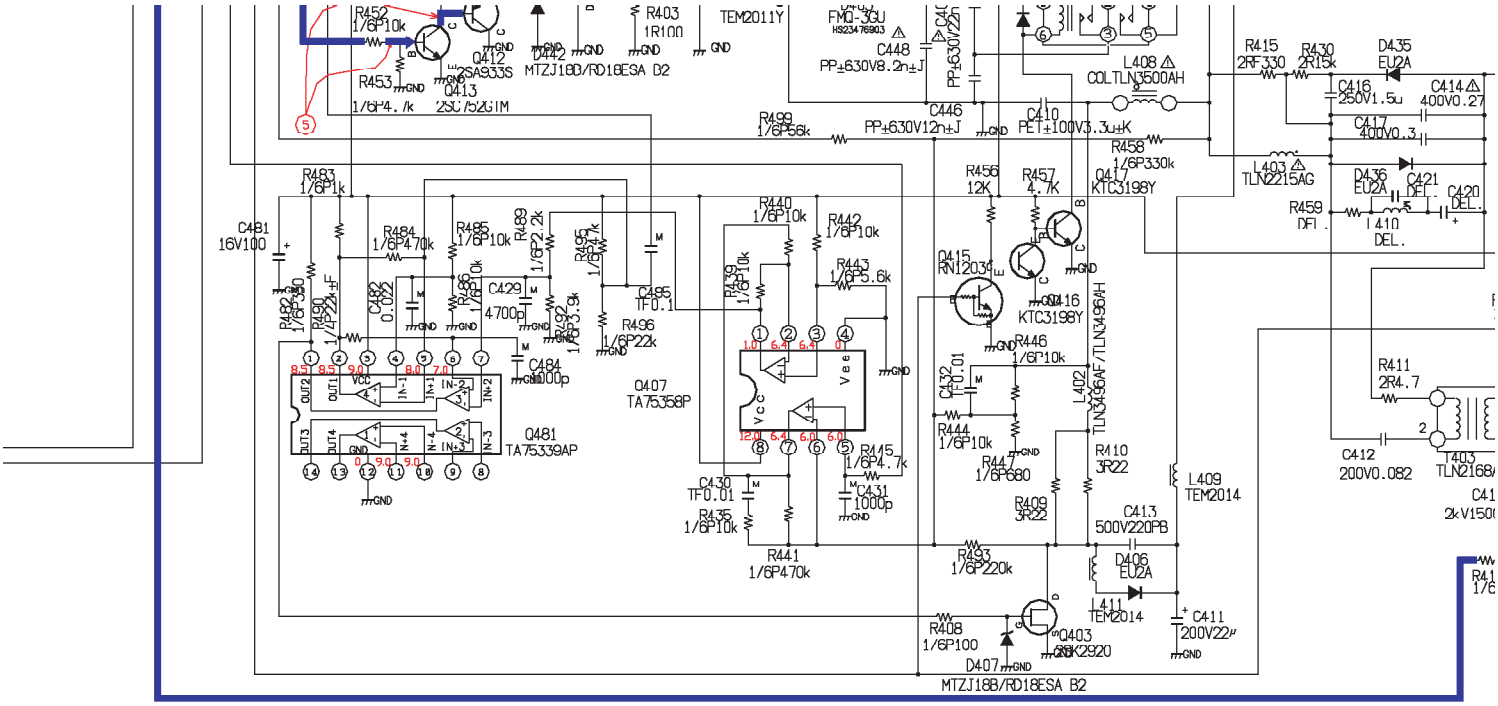


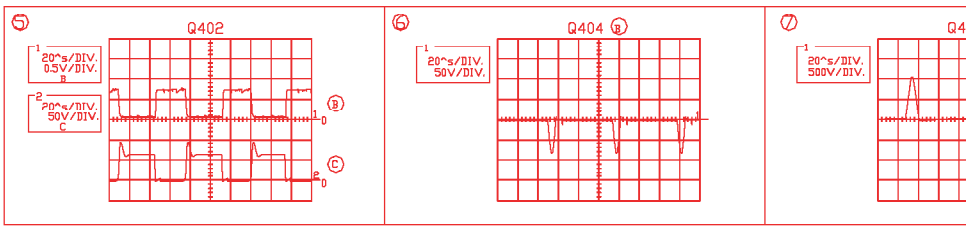

2. CAPACITOR Unless otherwise noted in schematic, all capacitor valuse less than 1 are expressed in μF, and the valuses more than 1 in pF.
All capacitors are ceramic 50V, unless otherwise noted as the following marks.

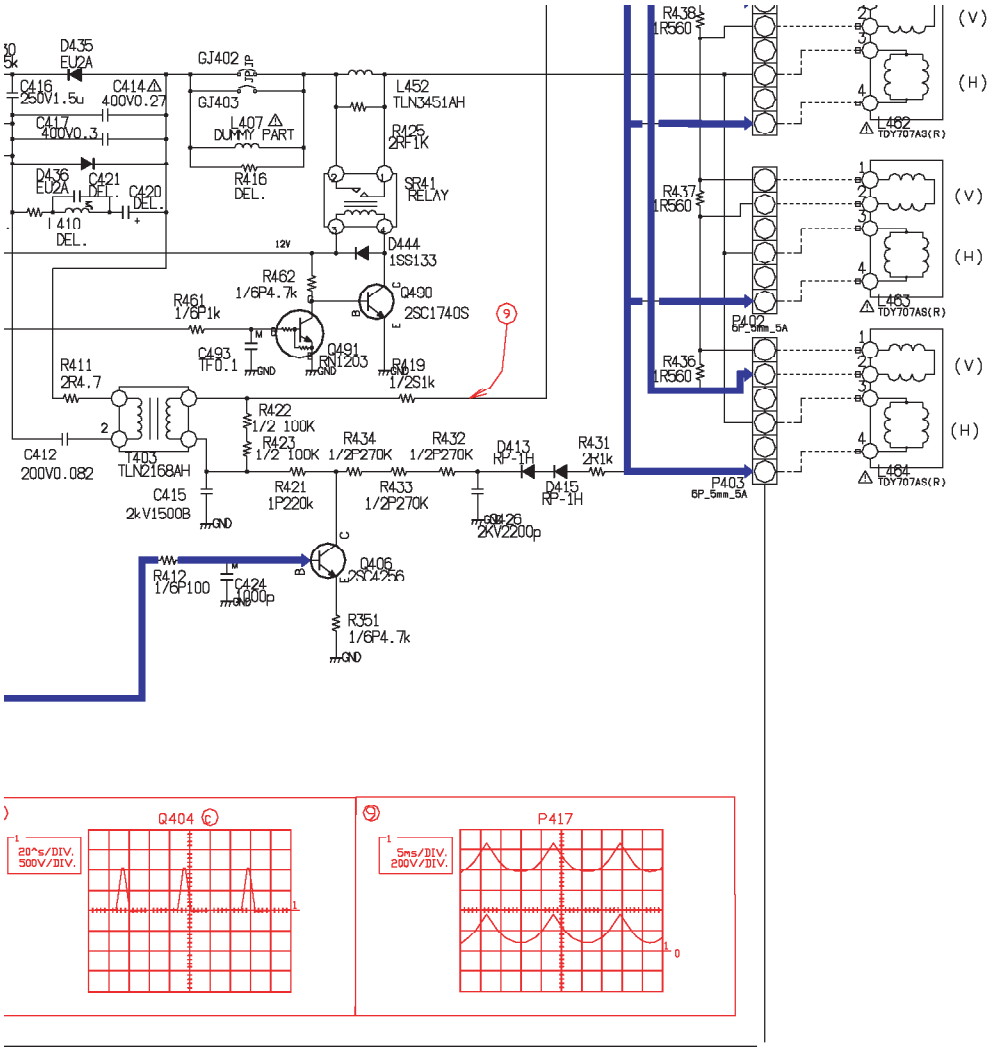
Electrolitic capacitor  Mylar capacitor

3. The parts indicated with * have special characteristics should be replaced with identical parts only.

4. This schematic diagram is the latest the time of copying, so it must be changed in accordance with all informed modification notices.


R452 1/6P10k
Q412 2SAS33S
R453
Q413 2SC/52GIM
R403 1R100
D442 MTZJ18B/RD18ESA B2
TEM2011Y
FMD-3GU
C448 PP±630V8.2n±J
C446 PP±630V12n±J
C410 PET±100V3.3u±K
L408
COILTLN3500AH
R499 1/6P56k
R458 1/6P330k
Q417 KTC3198Y
R456 12K
R457 4.7K
Q415 RN1203
Q416 KTC3198Y
R446 1/6P10k
R415 2RF330
R430 2R15k
D435 EU2A
C416 250V1.5u
C414 400V0.27
C417 400V0.3
L403 TLN2215AG
D436 EU2A
C421 DEL.
C420 DEL.
R459 DEL.
L410 DEL.
R483 1/6P1k
C481 16V100
R484 1/6P470k
R485 1/6P10k
R489 1/6P22.2k
R495 1/6P47k
C429 4700p
C484 1000p
C485 TF0.1
R496 1/6P22k
Q407 TA75358P
Q481 TA75339AP
R440 1/6P10k
R442 1/6P10k
R443 1/6P5.6k
R439 1/6P10k
R445 1/6P4.7k
C431 1000p
C430 TF0.01
R435 1/6P10k
R441 1/6P470k
C432 TF0.01
R444 1/6P10k
R447 1/6P680
L402 TLN3496AF/TLN3496H
R410 3R22
R409 3R22
L409 TEM2014
C413 500V220PB
D406 EU2A
L411 TEM2014
C411 200V22μ
R493 1/6P220k
R408 1/6P100
Q403 2SK2920
D407 MTZJ18B/RD18ESA B2
R411 2R4.7
C412 200V0.082
T403 TLN2168A
C41 2kV150


5
Q402
20^s/DIV. 0.5V/DIV. B
20^s/DIV. 50V/DIV. C
6
Q404
20^s/DIV. 50V/DIV.
7
20^s/DIV. 500V/DIV.





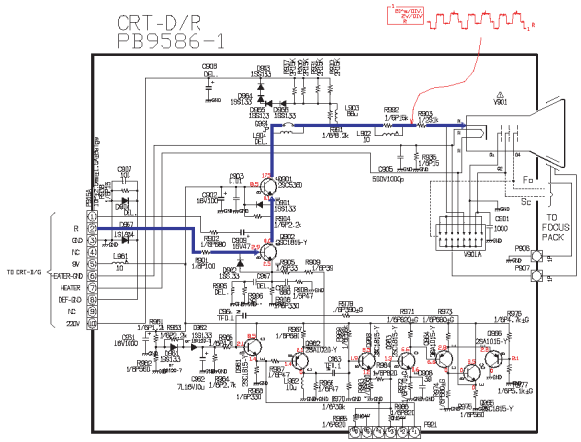


# DEF/POW
# 43H70/43HX70

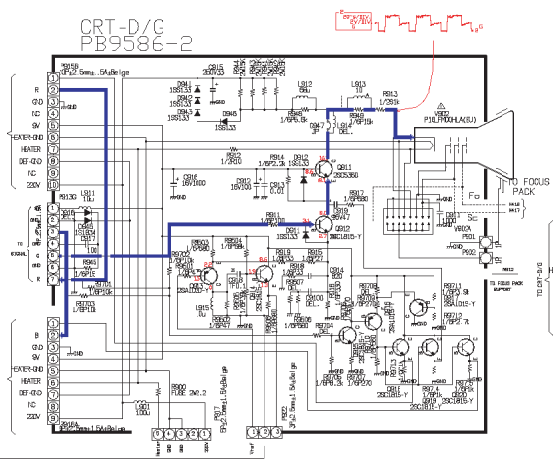
E F G H

10 11 12

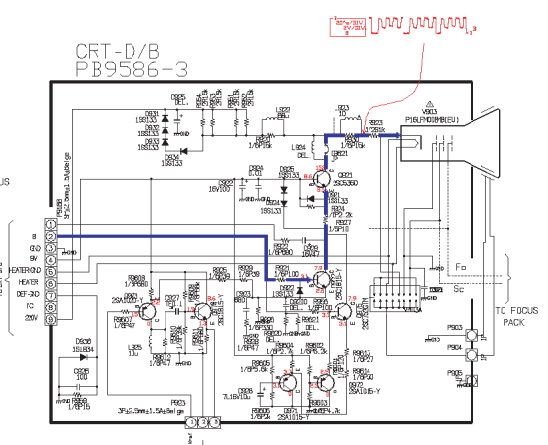
CRT-D/R
PB9586-1



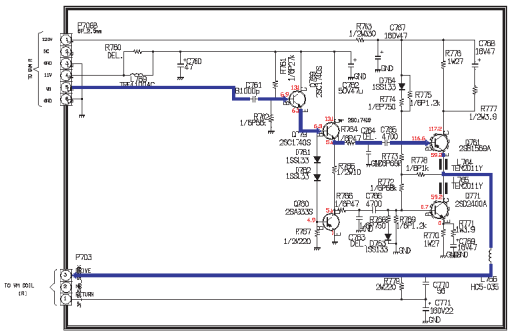
CRT-D/G
PB9586-2



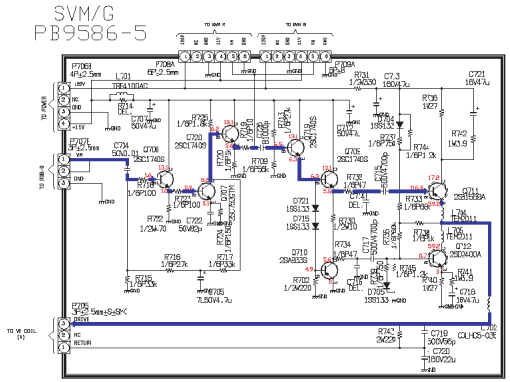
CRT-D/B
PB9586-3



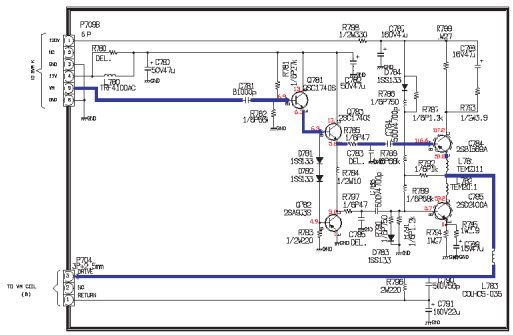
SVM/R
PB9586-4



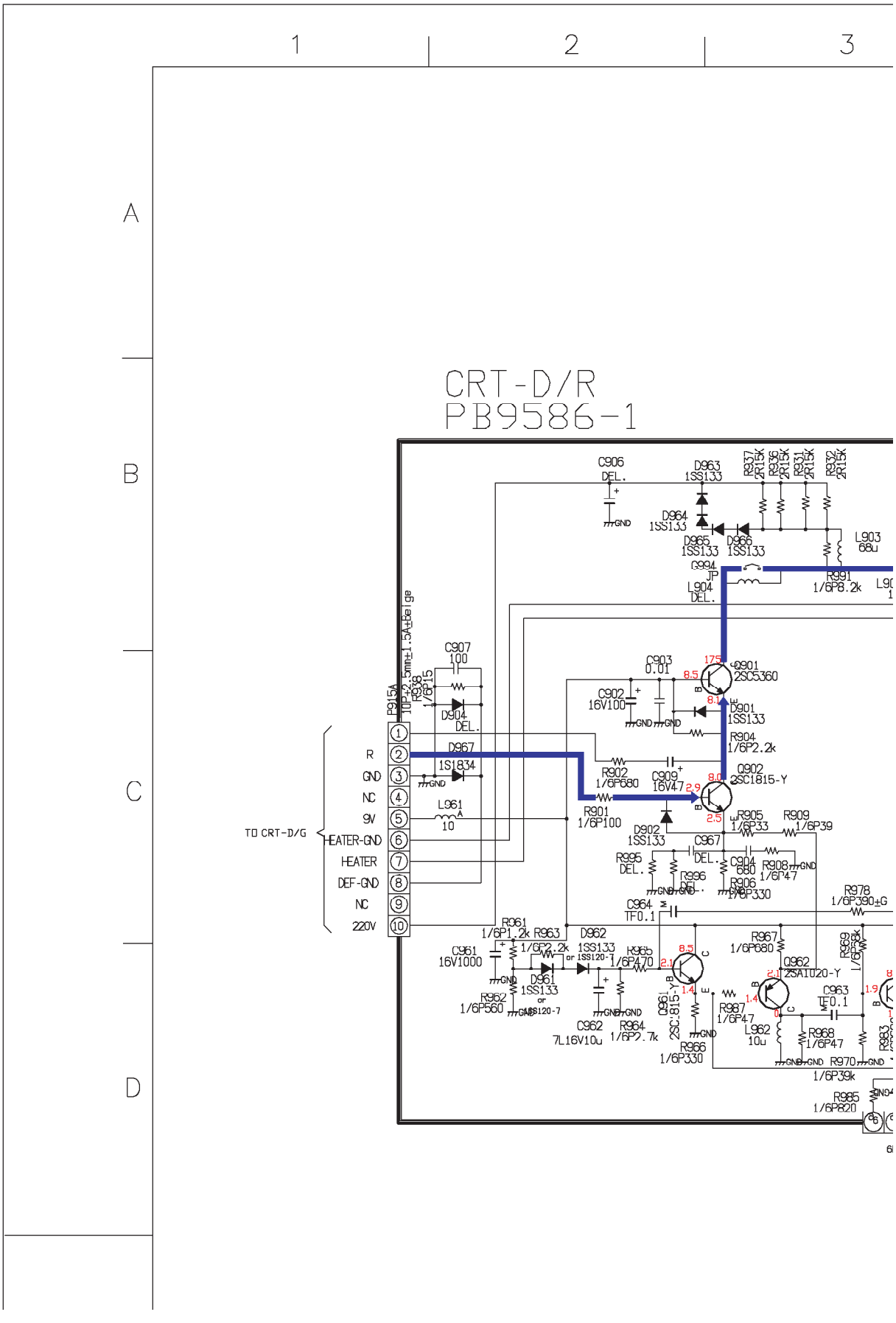
SVM/G
PB9586-5

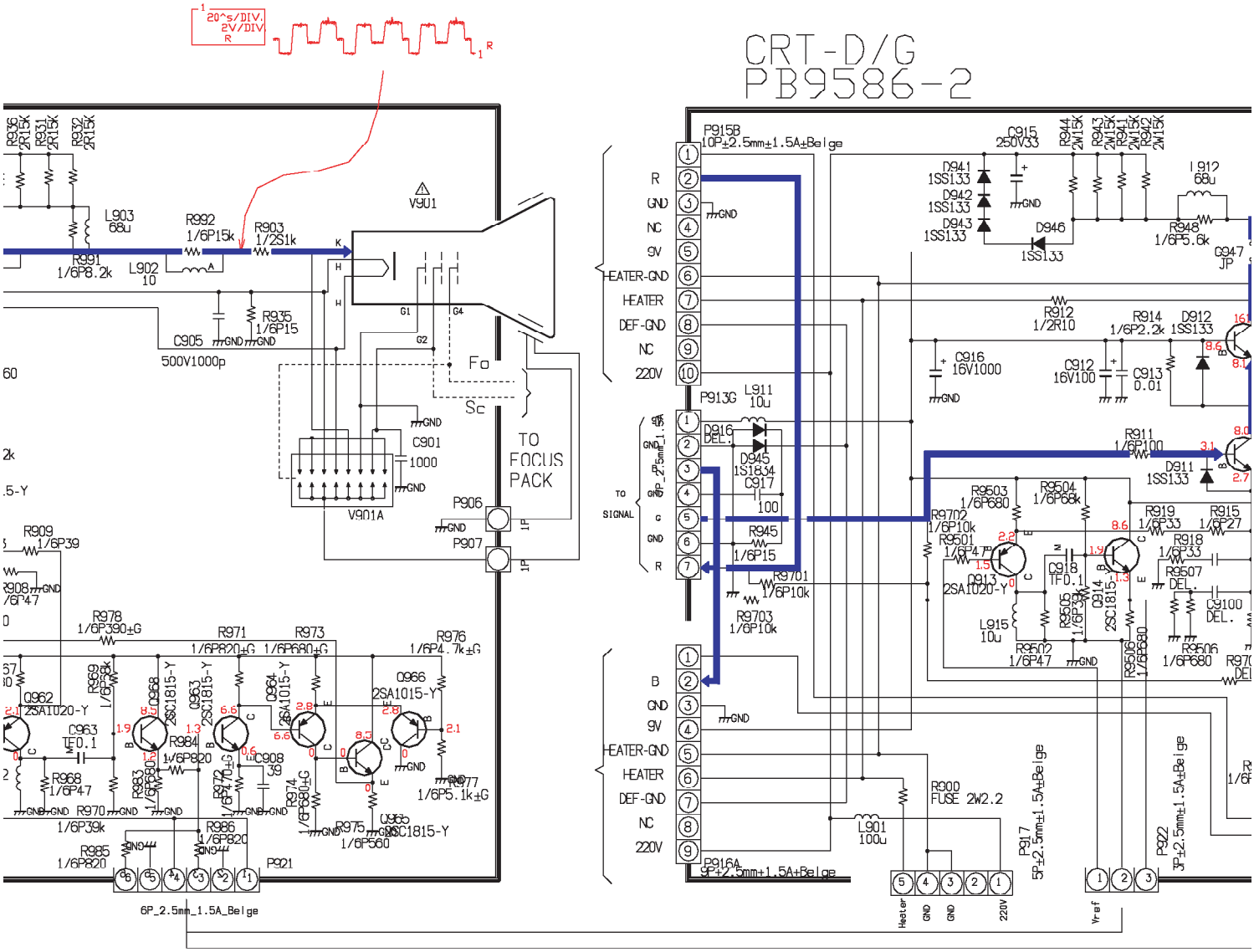


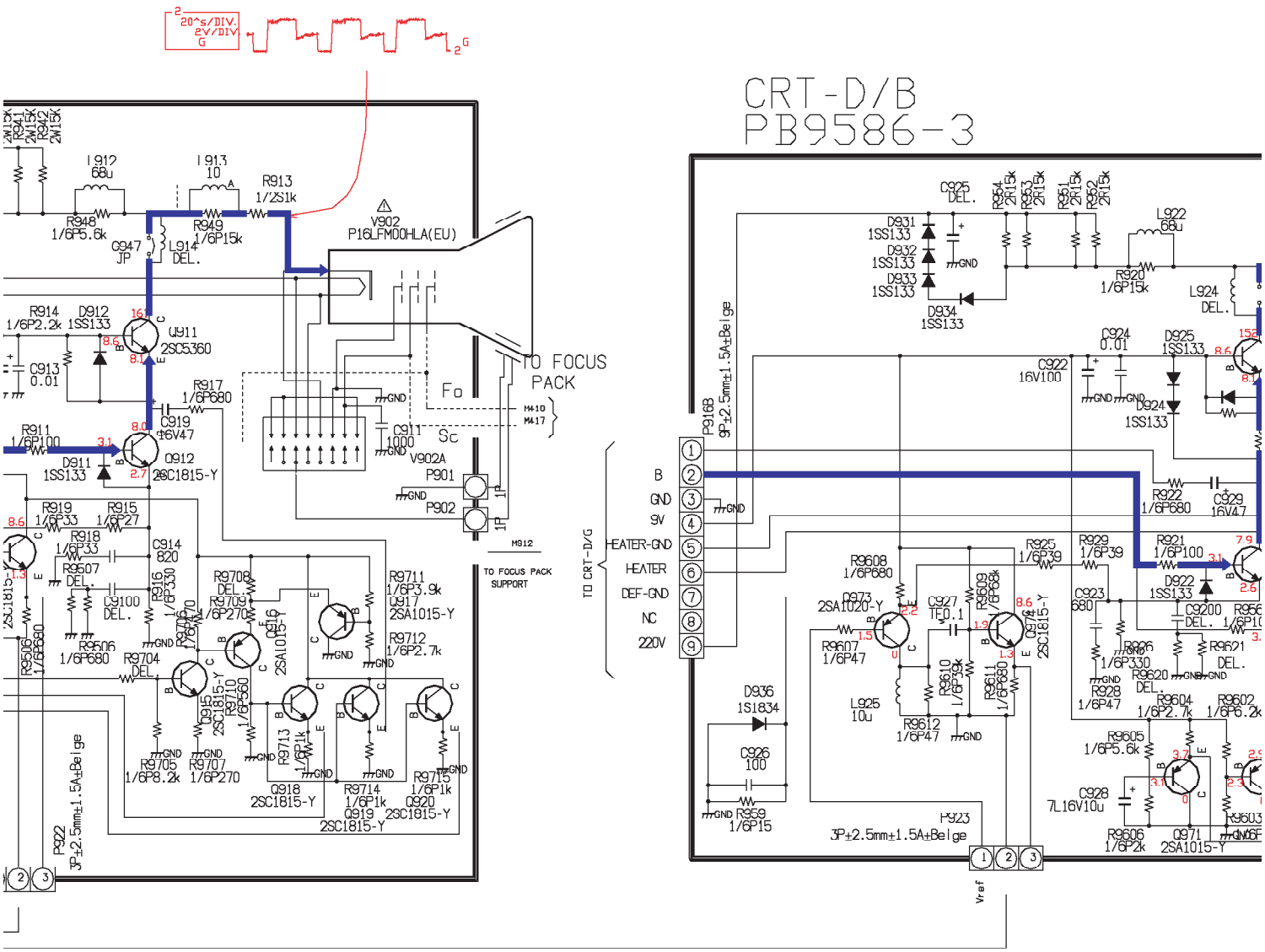
SVM/B
PB9586-6

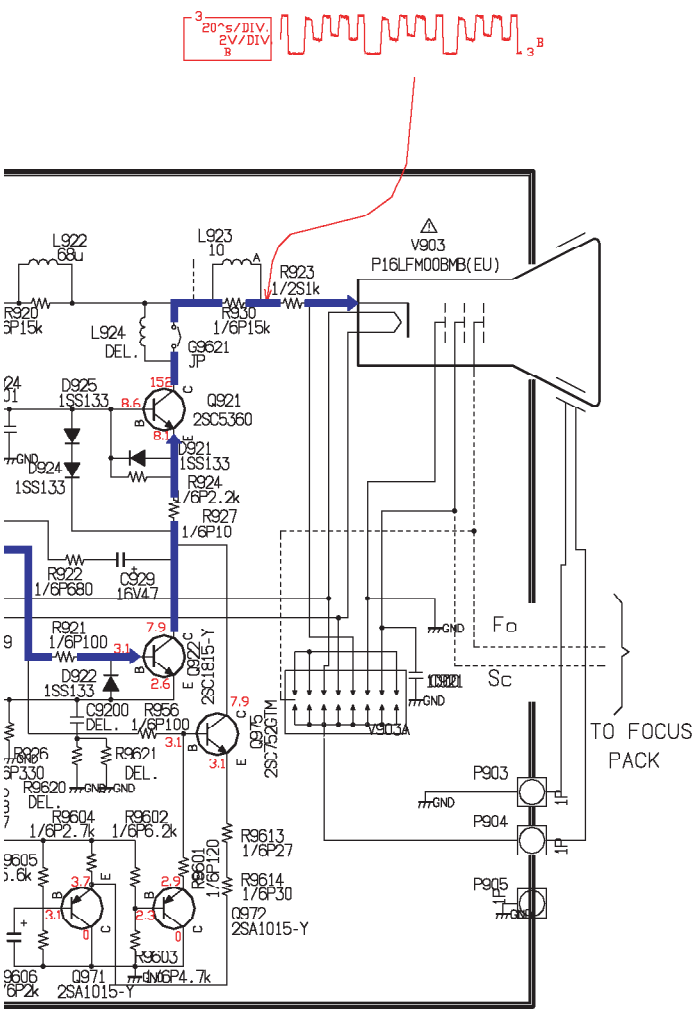


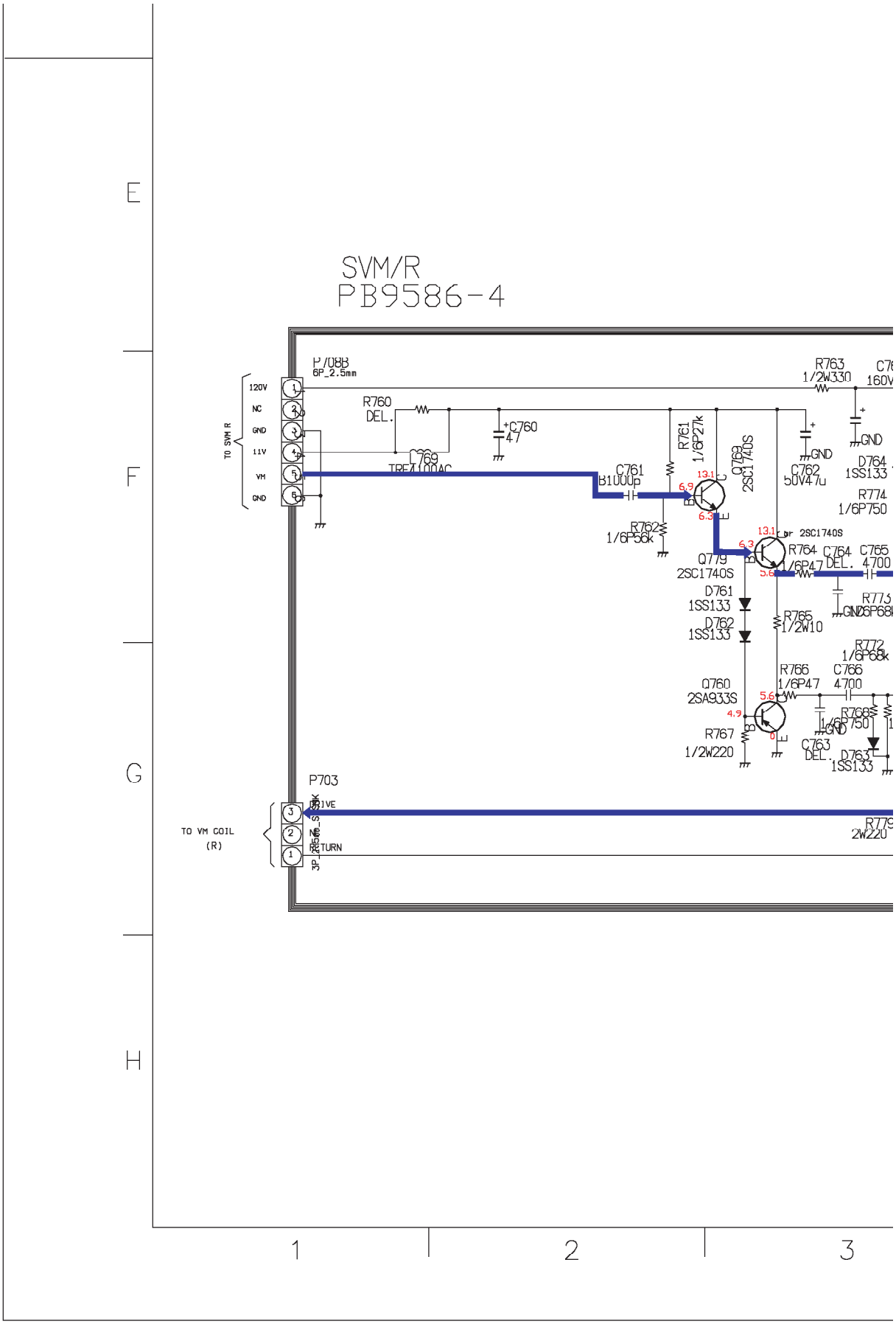
CRT/SVM
43H70/43HX70

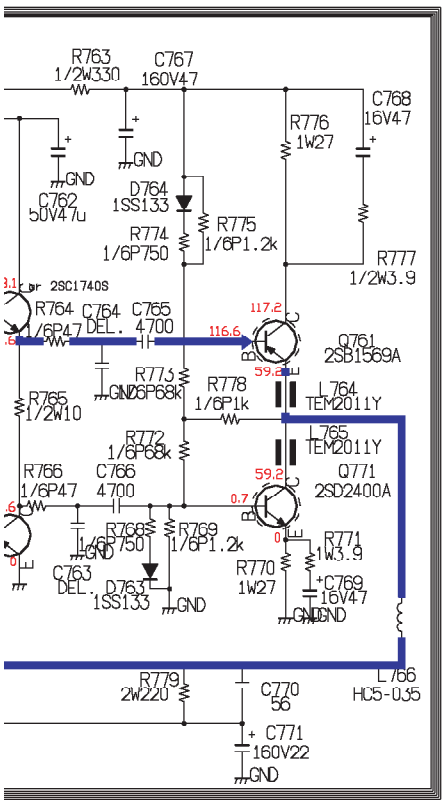

1
2
3
A
B
C
D
CRT-D/R
PB9586-1
TO CRT-D/G
R
GND
NC
9V
HEATER-GND
HEATER
DEF-GND
NC
220V
C906 DEL.
D963 1SS133
D964 1SS133
D965 1SS133
D966 1SS133
R937 2R15K
R936 2R15K
R931 2R15K
R932 2R15K
L903 68u
Q994 JP
L904 DEL.
R991 1/6P8.2k
C907 100
D904 DEL.
R938 1/6P15
C903 0.01
Q901 2SC5360
C902 16V100
D901 1SS133
R904 1/6P2.2k
D967 1S1834
R902 1/6P680
C909 16V47
Q902 2SC1815-Y
L961 10
R901 1/6P100
D902 1SS133
R905 1/6P33
R909 1/6P39
C967 DEL.
R995 DEL.
R996 DEL.
C904 680
R908 1/6P47
R906 1/6P330
C964 TF0.1
R978 1/6P390±G
R961 1/6P1.2k
R963 1/6P2.2k
D962 1SS133
C961 16V1000
D961 1SS133
R965 1/6P470
R962 1/6P560
C962 7L16V10u
R964 1/6P2.7k
Q961 2SC1815-Y
R966 1/6P330
R967 1/6P680
Q962 2SA1020-Y
R969 1/6P33k
C963 TF0.1
R987 1/6P47
L962 10u
R968 1/6P47
R970 1/6P39k
R985 1/6P820

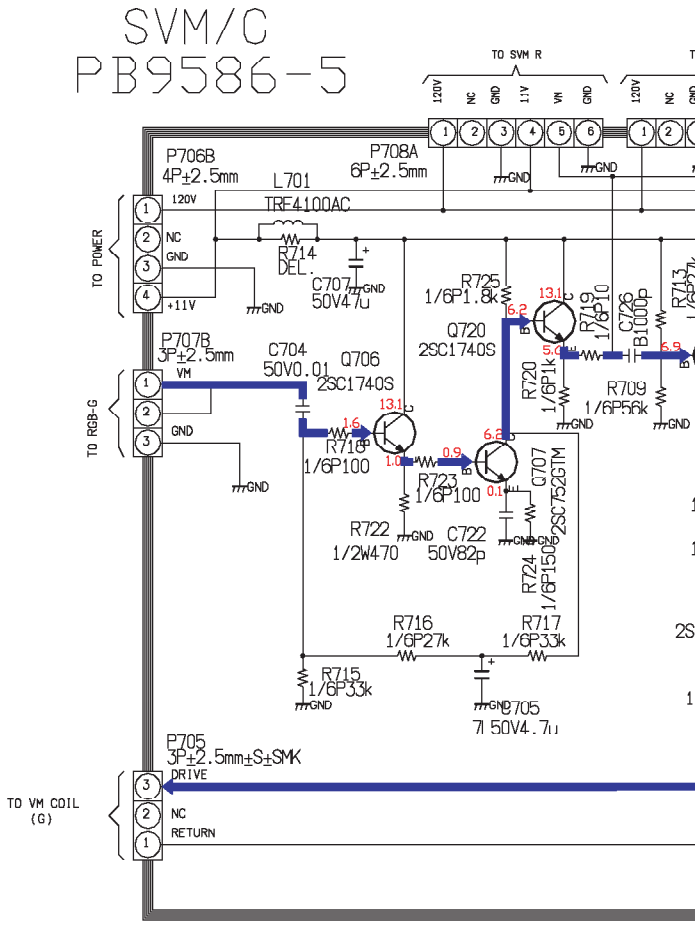

CRT-D/G
PB9586-2
20^s/DIV.
2V/DIV
R
V9U1
TO FOCUS PACK
V901A
P906
P907
P915B
10P±2.5mm±1.5A±Belge
P913G
P916A
9P±2.5mm±1.5A±Belge
P921
6P_2.5mm_1.5A_Belge
P917
5P±2.5mm±1.5A±Belge
P922
3P±2.5mm±1.5A±Belge
R
GND
NC
9V
HEATER-GND
HEATER
DEF-GND
NC
220V
B
GND
9V
HEATER-GND
HEATER
DEF-GND
NC
220V
TO SIGNAL
Heater
GND
GND
220V
V-ref
L903 68u
R992 1/6P15k
R903 1/2S1k
R991 1/6P8.2k
L902 10
R935 1/6P15
C905 500V1000p
C901 1000
R909 1/6P39
R978 1/6P390±G
R971 1/6P820±G
R973 1/6P680±G
R976 1/6P4.7k±G
Q962 2SA1020-Y
C963 TED.1
R968 1/6P47
R970 1/6P39k
R984 1/6P820
C908 39
R974 1/6P680±G
R975 1/6P560
Q965 2SC1815-Y
R977 1/6P5.1k±G
R985 1/6P820
R986 1/6P820
Q966 2SA1015-Y
D941 1SS133
D942 1SS133
D943 1SS133
D946 1SS133
C915 250V33
R944 2W15K
R943 2W15K
R941 2W15K
R942 2W15K
L912 68u
R948 1/6P5.6k
Q947 JP
R912 1/2R10
R914 1/6P2.2k
D912 1SS133
C916 16V1000
C912 16V100
C913 0.01
L911 10u
D916 DEL.
D945 1S1834
C917 100
R945 1/6P15
R9701 1/6P10k
R9703 1/6P10k
R911 1/6P100
D911 1SS133
R9503 1/6P680
R9504 1/6P68k
R9702 1/6P10k
R9501 1/6P47
D913 2SA1020-Y
C918 TF0.1
R919 1/6P33
R915 1/6P27
R918 1/6P33
R9507 DEL.
C914 2SC1815-Y
L915 10u
R9505 1/6P33
C9100 DEL.
R9502 1/6P47
R9506 1/6P680
R900 FUSE 2W2.2
L901 100u


CRT-D/B
PB9586-3
20^s/DIV.
2V/DIV
G
V902
P16LFM00HLA(EU)
TO FOCUS PACK
TO FOCUS PACK SUPPORT
TO CRT-D/G
B
GND
9V
HEATER-GND
HEATER
DEF-GND
NC
220V
P918B
3P±2.5mm±1.5A±Beige
P922
3P±2.5mm±1.5A±Beige
P923
3P±2.5mm±1.5A±Beige
Vref

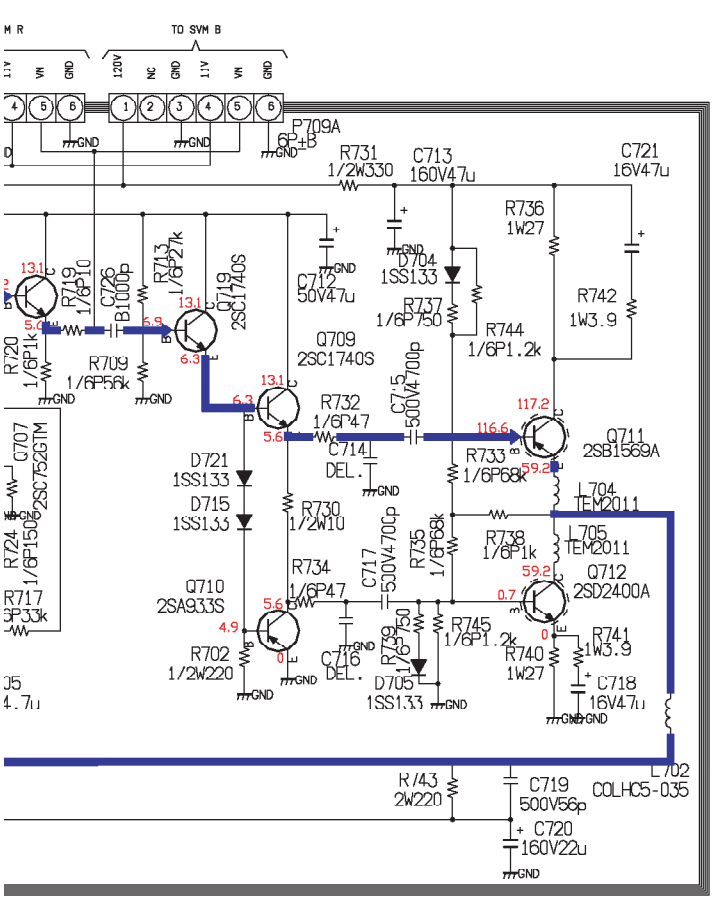

20^s/DIV.
2V/DIV
B
L922
68u
L923
10
A
V903
P16LFM00BMB(EU)
R923
1/2S1k
R920
6P15k
L924
DEL.
R930
1/6P15k
G9621
JP
D925
1SS133
Q921
2SC5360
D924
1SS133
D921
1SS133
R924
/6P2.2k
R927
1/6P10
R922
1/6P680
C929
16V47
R921
1/6P100
D922
1SS133
C9200
DEL.
R956
1/6P100
R9621
DEL.
R9620
DEL.
R9604
1/6P2.7k
R9602
1/6P6.2k
R9613
1/6P27
R9614
1/6P30
Q972
2SA1015-Y
R9603
1/6P4.7k
Q971
2SA1015-Y
Q975
2SC3752TM
Q972
2SC1815-Y
GND
Fo
Sc
V903A
TO FOCUS
PACK
P903
P904
P905
1P

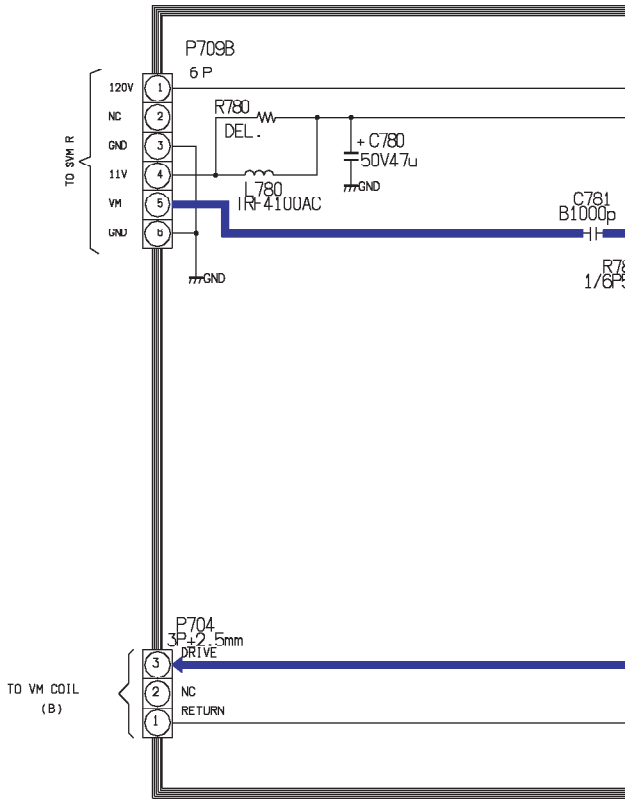

SVM/R
PB9586-4
P708
6P_2.5mm
TO SVM R
120V
NC
GND
11V
VM
GND
R760
DEL.
C760
4.7
C761
B1000P
R762
1/6P56k
R761
1/6P27k
Q759
2SC1740S
C762
50V47u
GND
R763
1/2W330
D764
1SS133
R774
1/6P750
Q779
2SC1740S
R764
1/6P47
C764
DEL.
C765
4700
D761
1SS133
D762
1SS133
R765
1/2W10
R772
1/6P68k
Q760
2SA933S
R766
1/6P47
C766
4700
R767
1/2W220
R768
1/6P750
C763
DEL.
D763
1SS133
P703
TO VM COIL
(R)
3P_4.5mm
RETURN
1
2
3
E
F
G
H

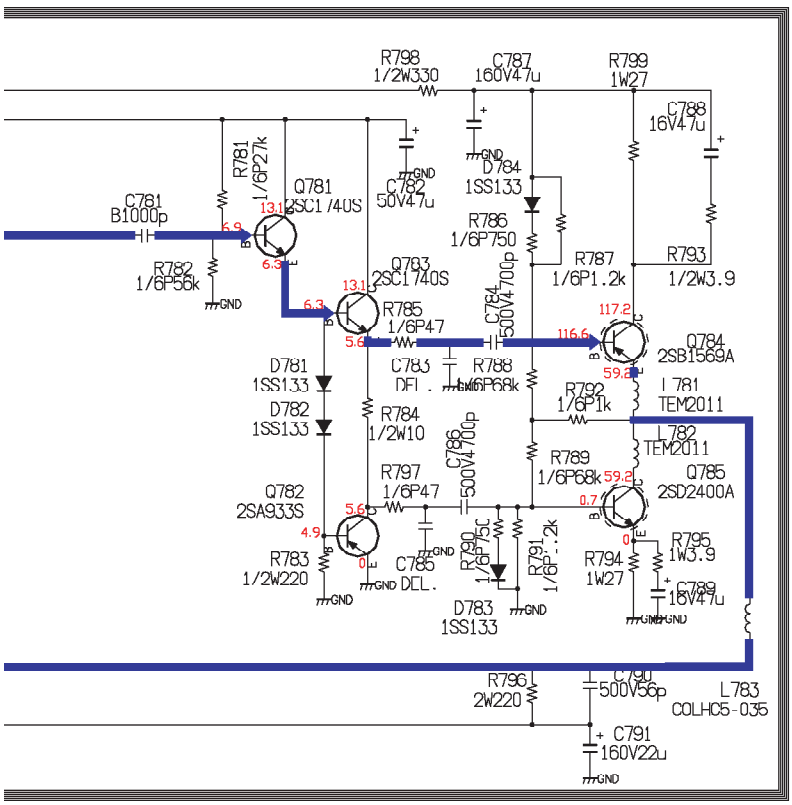

R763
1/2W330
C767
160V47
C768
16V47
R776
1W27
GND
C762
50V47u
D764
1SS133
R775
1/6P1.2k
R774
1/6P750
R777
1/2W3.9
2SC1740S
R764
1/6P47
C764
DEL.
C765
4700
Q761
2SB1569A
R773
GND6P68k
R778
1/6P1k
L764
TEM2011Y
R765
1/2W10
R772
1/6P68k
L765
TEM2011Y
R766
1/6P47
C766
4700
Q771
2SD2400A
R768
1/6P750
R769
1/6P1.2k
R771
1W3.9
C763
DEL.
D763
1SS133
R770
1W27
C769
16V47
R779
2W220
C770
56
L766
HC5-035
C771
160V22


SVM/C
PB9586-5
TO SVM R
P706B
4P±2.5mm
P708A
6P±2.5mm
L701
TRF4100AC
120V
NC
GND
+11V
TO POWER
R714
DEL.
C707
50V47u
R725
1/6P1.8k
Q720
2SC1740S
R719
1/6P10
C726
B1000P
R713
P707B
3P±2.5mm
VM
GND
TO RGB-G
C704
50V0.01
Q706
2SC1740S
R718
1/6P100
R723
1/6P100
R722
1/2W470
C722
50V82p
R720
1/6P1k
R709
1/6P56k
C707
2SC752GTM
R724
1/6P150
R716
1/6P27k
R717
1/6P33k
R715
1/6P33k
Q705
P705
3P±2.5mm±S±SMK
DRIVE
NC
RETURN
TO VM COIL
(G)

# SVM/B
# PB9586-6

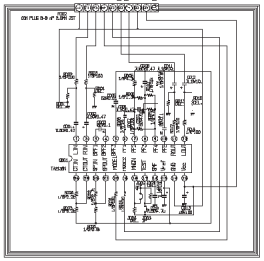




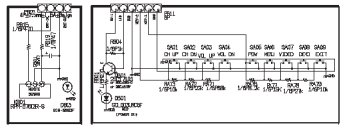

CRT/SVM
43H70/43HX70

PB9587
SRS



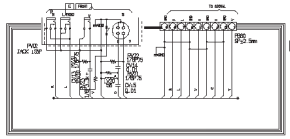
PB9615
61/55/50HX70
61/55H70

E037Z REM



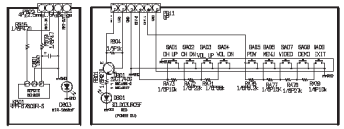
E034Z
FRONT-CON

E035Z
FRONT-IN



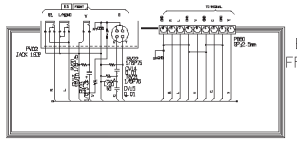
PB9651
43HX70/43H70

E037Z REM



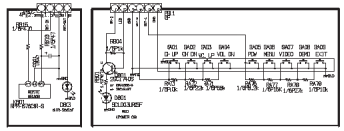
E034Z
FRONT-CON

E035Z
FRONT-IN



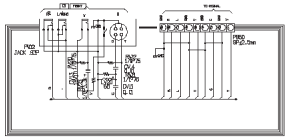
FB9652
40H80

E037Z REM



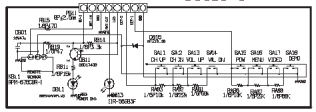
E034Z
FRONT-CON

E035Z
FRONT-IN

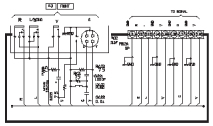


PB9121
65H80/56H80

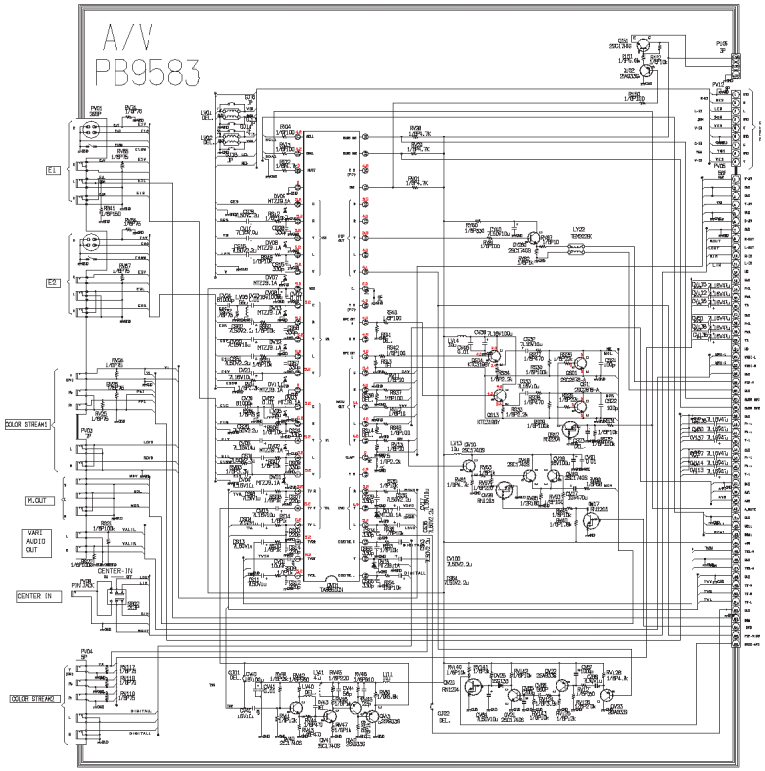
FRONT-CON
PB9121-1



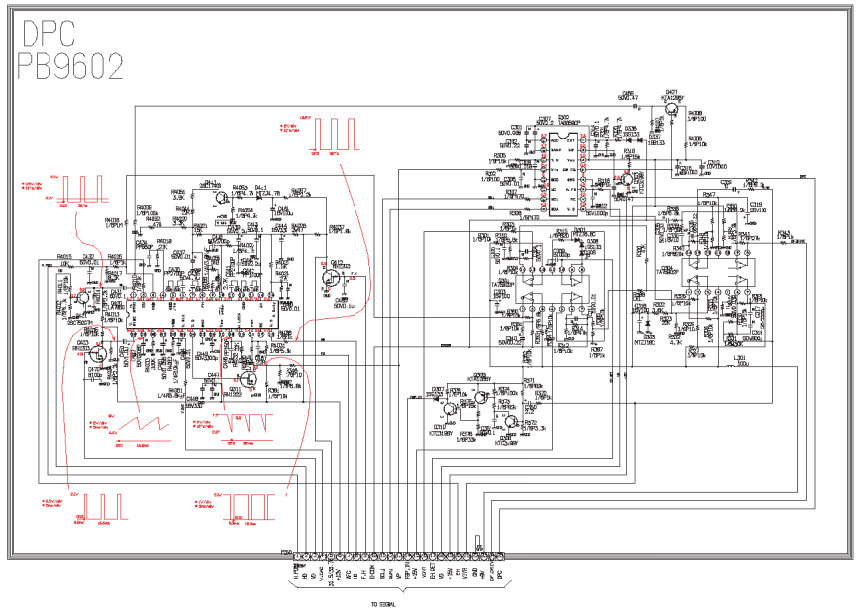
E039Z
FRONT-IN
PB9121-2



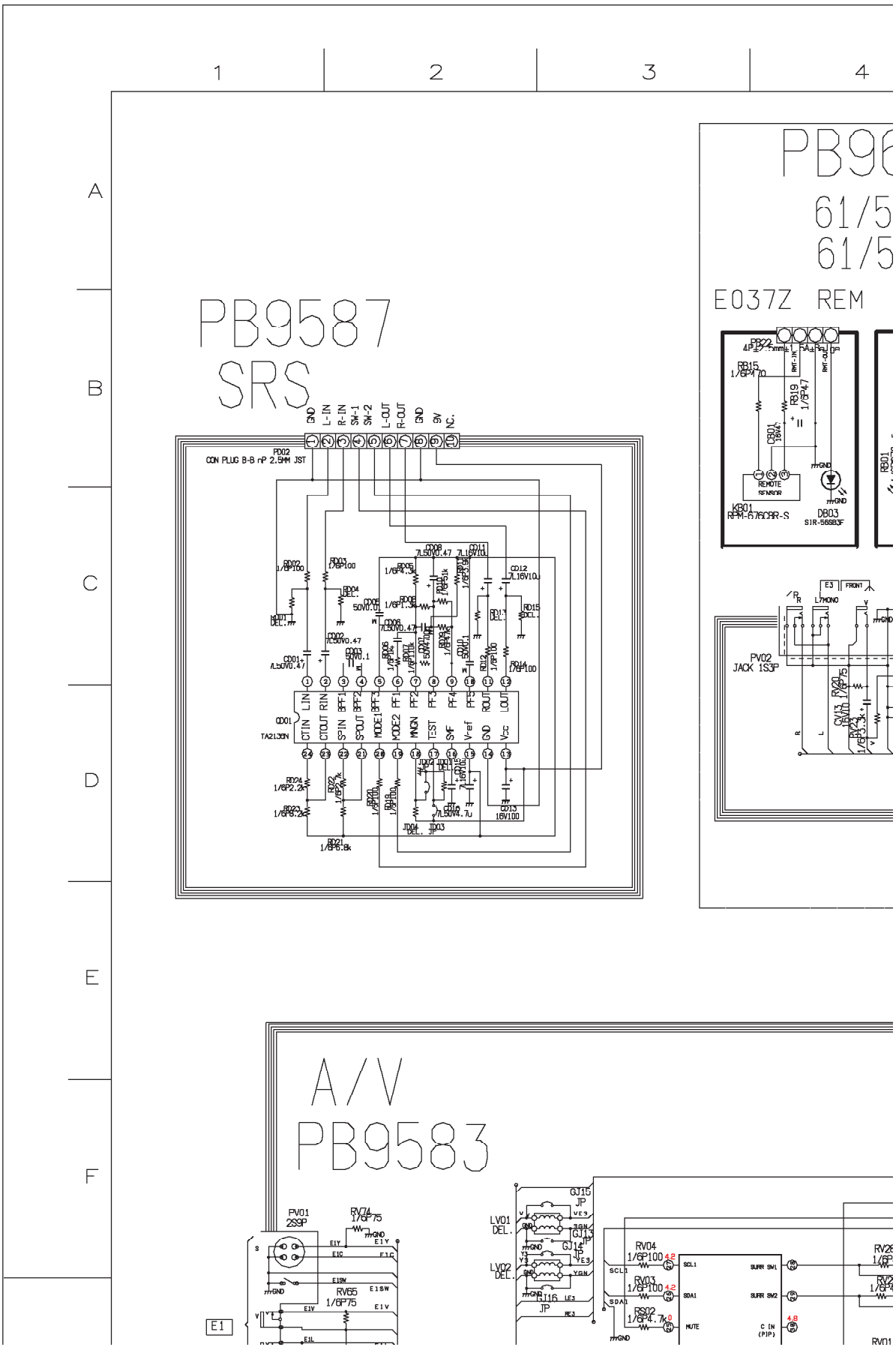
A/V
PB9583



DPC
PB9602



A/V SRS FRONT DPC
43H70/43HX70


1
2
3
4
A
B
C
D
E
F
PB9587
SRS
GND
L-IN
R-IN
SW-1
SW-2
L-OUT
R-OUT
GND
9V
NC
PD02
CON PLUG B-8 nP 2.5MM JST
CD01
TA2130N
CTIN
CTOUT
RIN
SPIN
SPOUT
LIN
ROUT
LOUT
Vcc
GND
Vref
SVF
TEST
MVOL
MODE2
MODE1
PF-1
PF-2
PF-3
PF-4
PF-5
BPF-1
BPF-2
BPF-3
PB9583
A/V
PV01
2S9P
RV74
1/GP75
RV65
1/GP75
E1
LVO1
DEL.
LVO2
DEL.
GJ15
GJ13
GJ14
JP
RV04
1/GP100
RV03
1/GP100
RS02
1/GP4.7k
SCL1
SDA1
MUTE
SURR SW1
SURR SW2
C IN
(PIP)
PB96
61/5
61/5
E037Z REM
PB22
RB15
1/GP470
RB19
1/GP47
CB01
16V47
REMOTE
SENSOR
KB01
RPM-676C8R-S
DB03
S1R-56883F
PV02
JACK 1S3P
E3
FRONT
L/MONO
RV01
1/GP75
RV02
1/GP3.3k

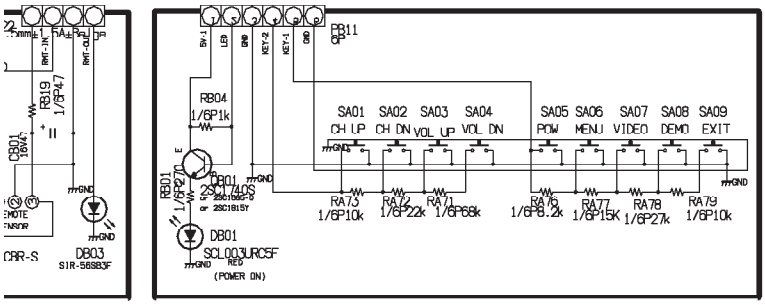
4 5 6 7 8

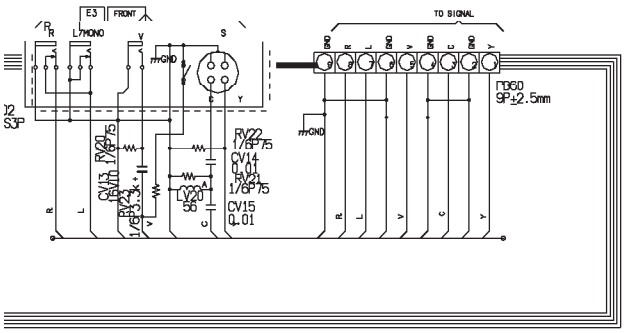
# PB9615

## 61/55/50HX70
## 61/55H70

7Z REM

E034Z
FRONT-CON



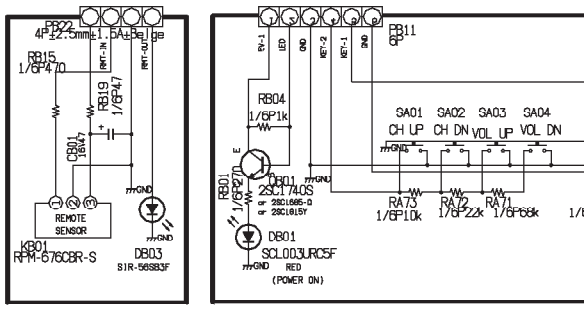

E035Z
FRONT-IN

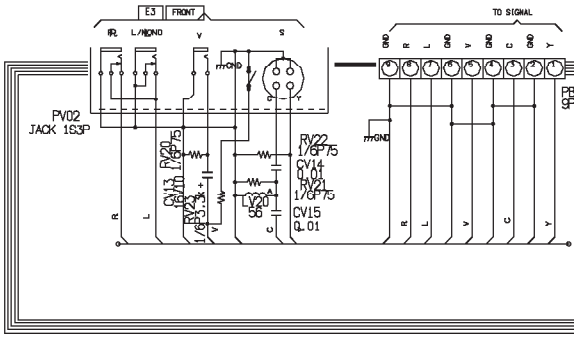
# PB9651

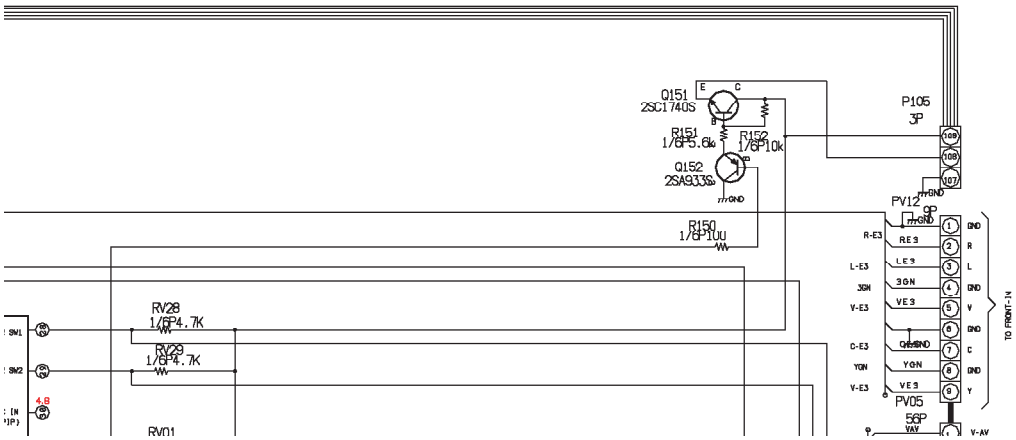
## 43HX70/43H70

E037Z REM

FR



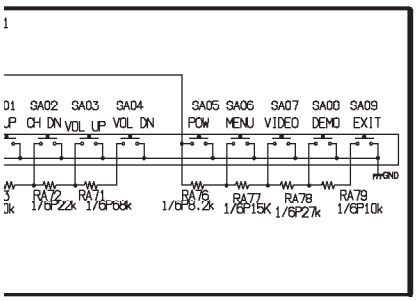

DPC
PB9602

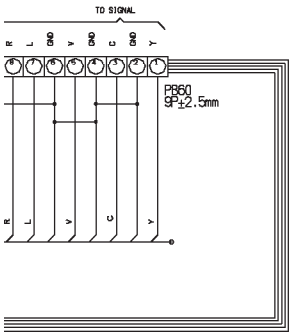
9 | 10 | 11 | 12 | 13

# PB9652

## 40H80

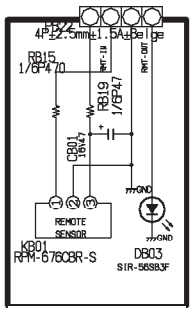
E034Z
FRONT-CON


SA02 SA03 SA04
CH DN VOL UP VOL DN
SA05 SA06 SA07 SA00 SA09
POW MENU VIDEO DEMO EXIT
RA72 RA71 RA76 RA77 RA78 RA79
1/6P22k 1/6P68k 1/6P8.2k 1/6P15K 1/6P27k 1/6P10k
mGND

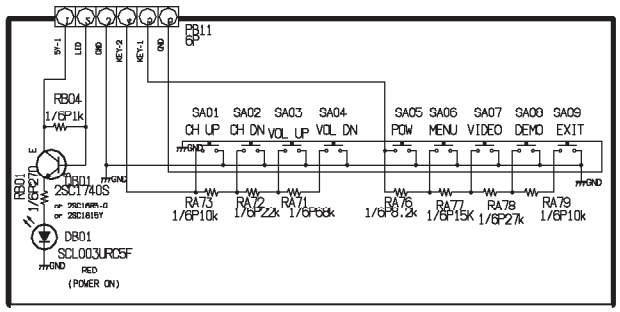


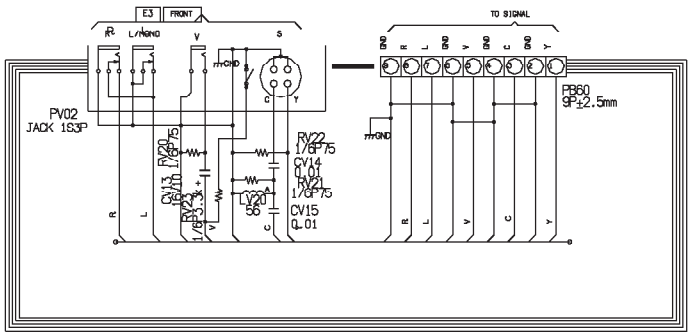

E035Z
FRONT-IN

E037Z REM




E034Z
FRONT-CON




E035Z
FRONT-IN

13 | 14 | 15 | 16

A

B

C

D

E

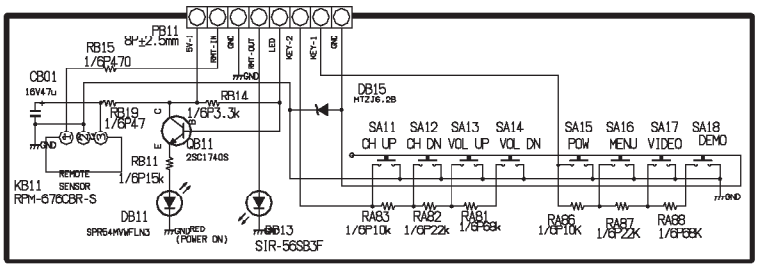
F

# PB9121

## 65H80/56H80

FRONT-CON

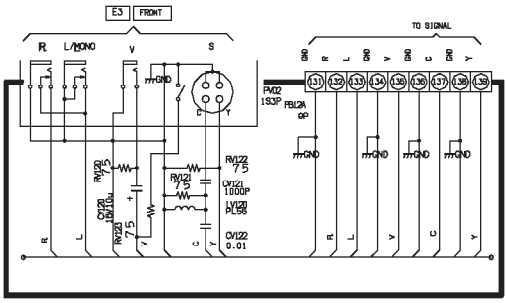
PB9121-1

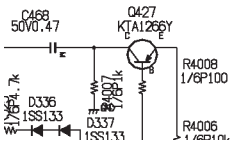


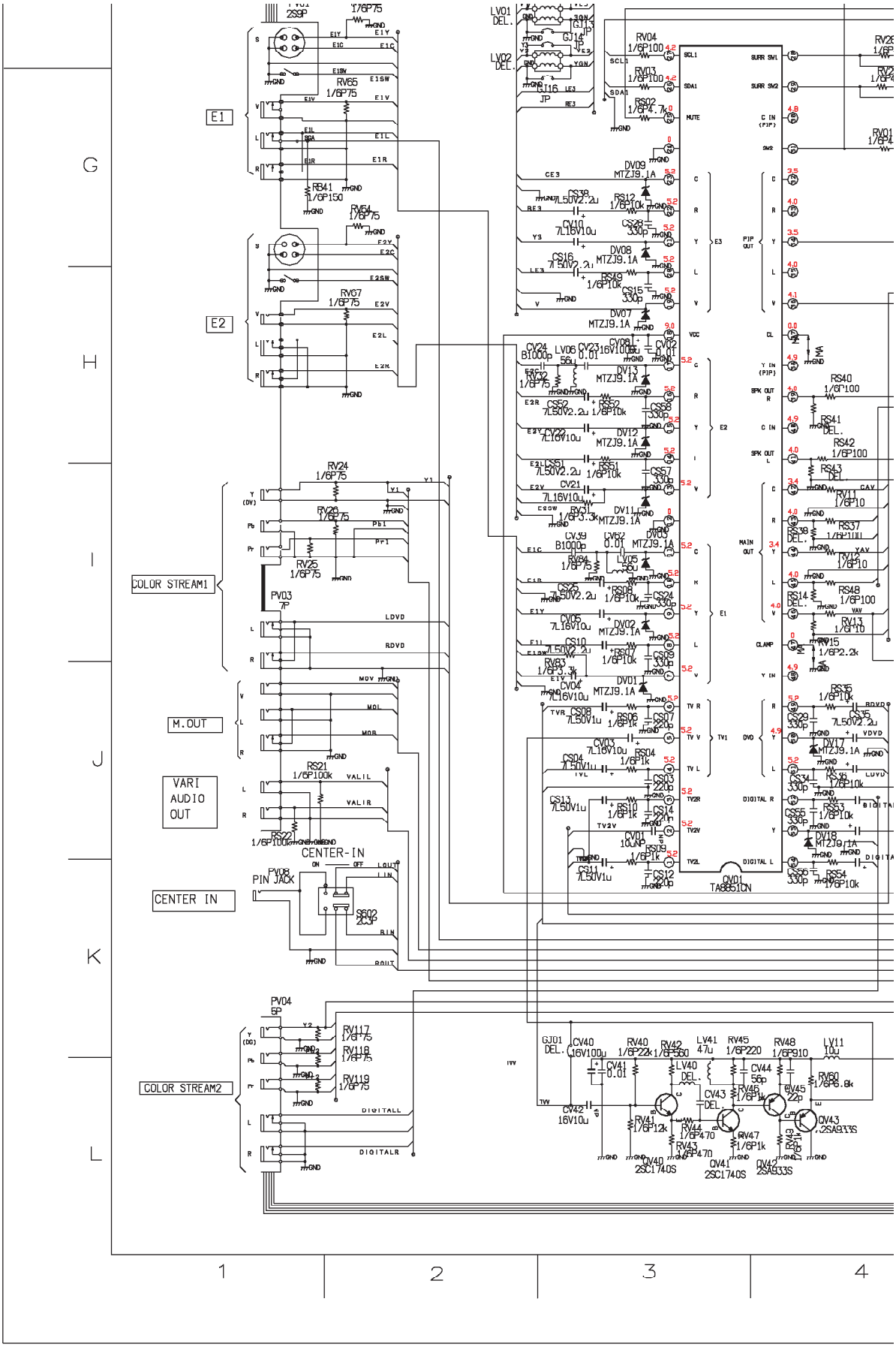

E039Z

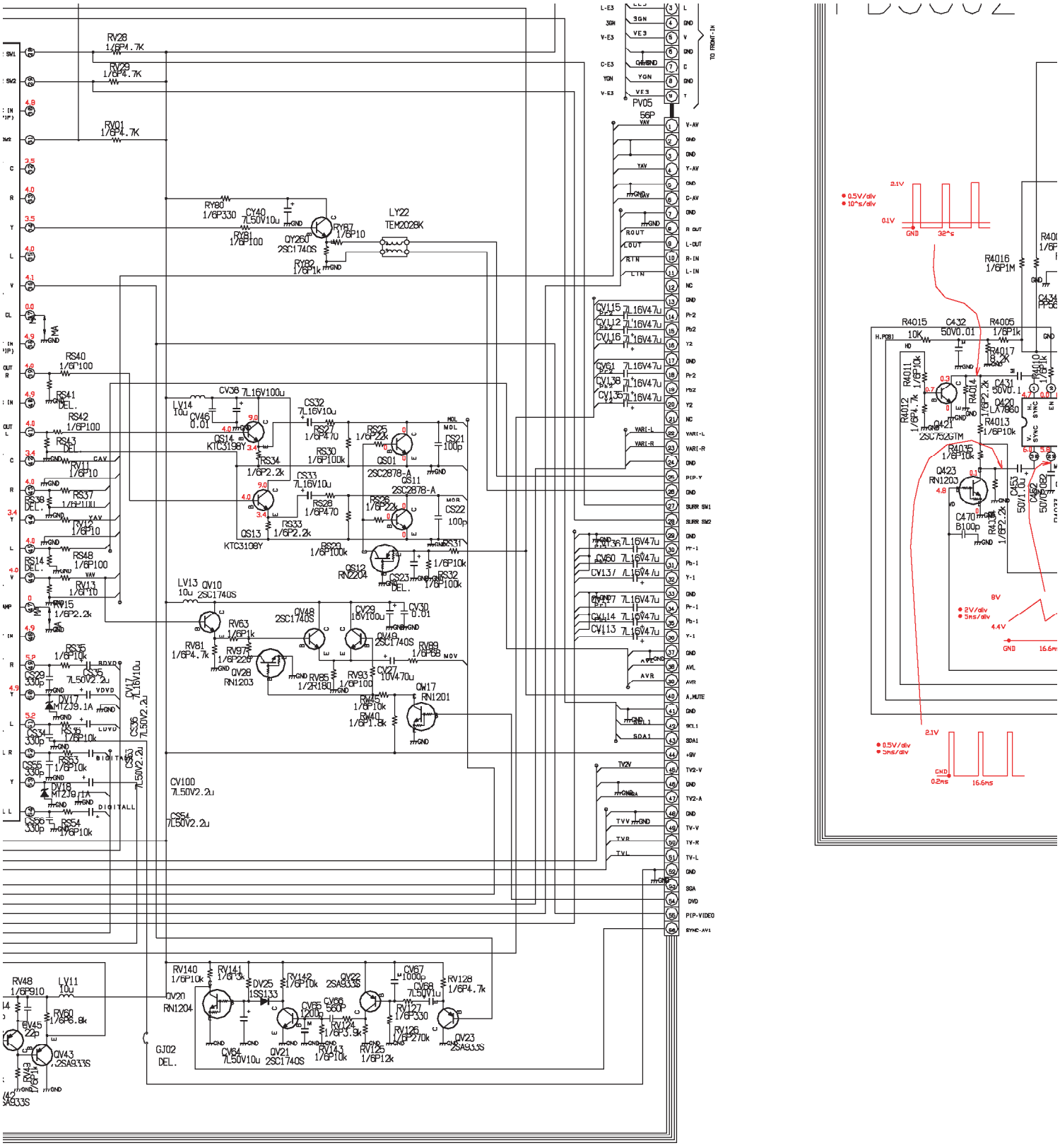
FRONT-IN

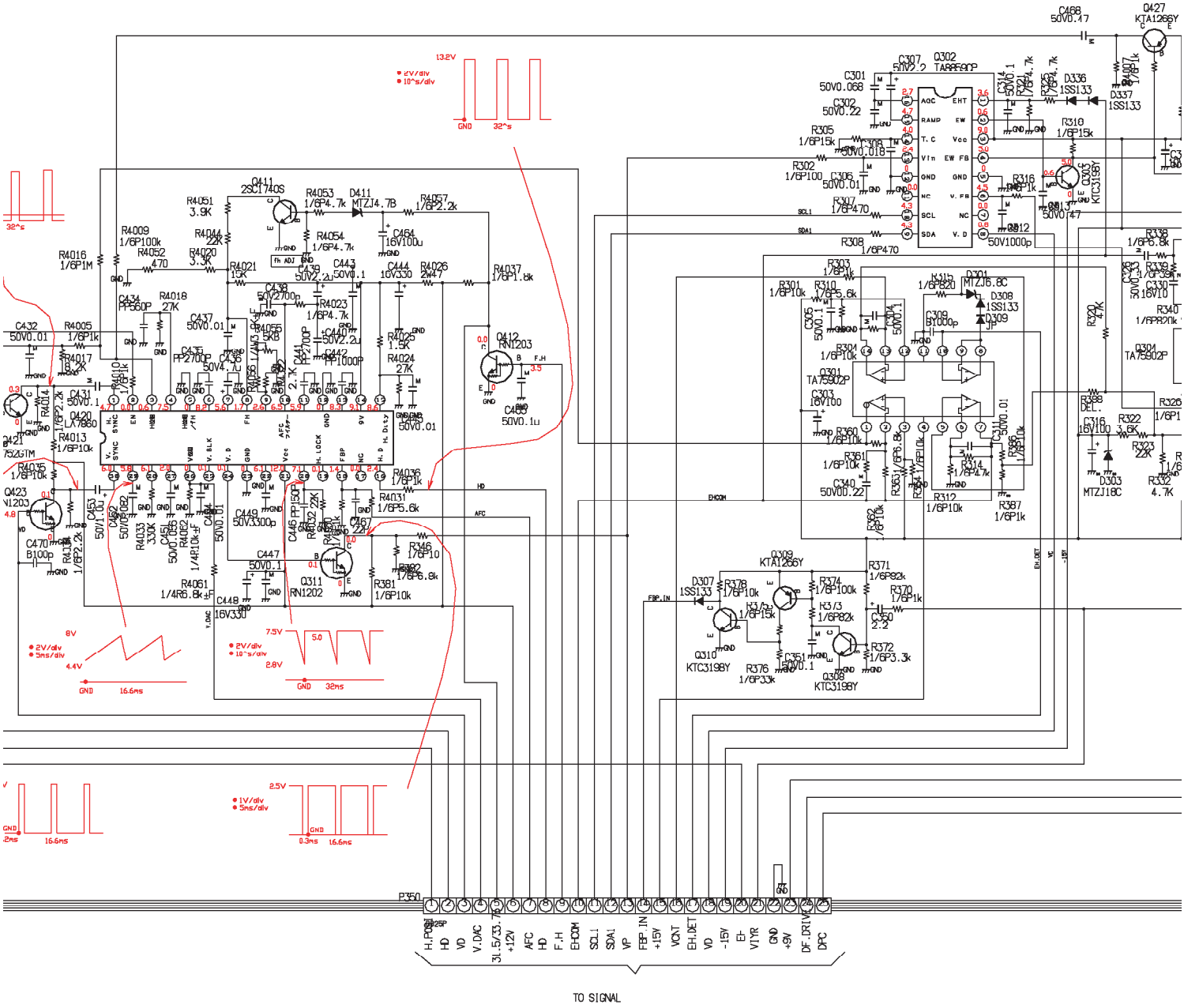
PB9121-2



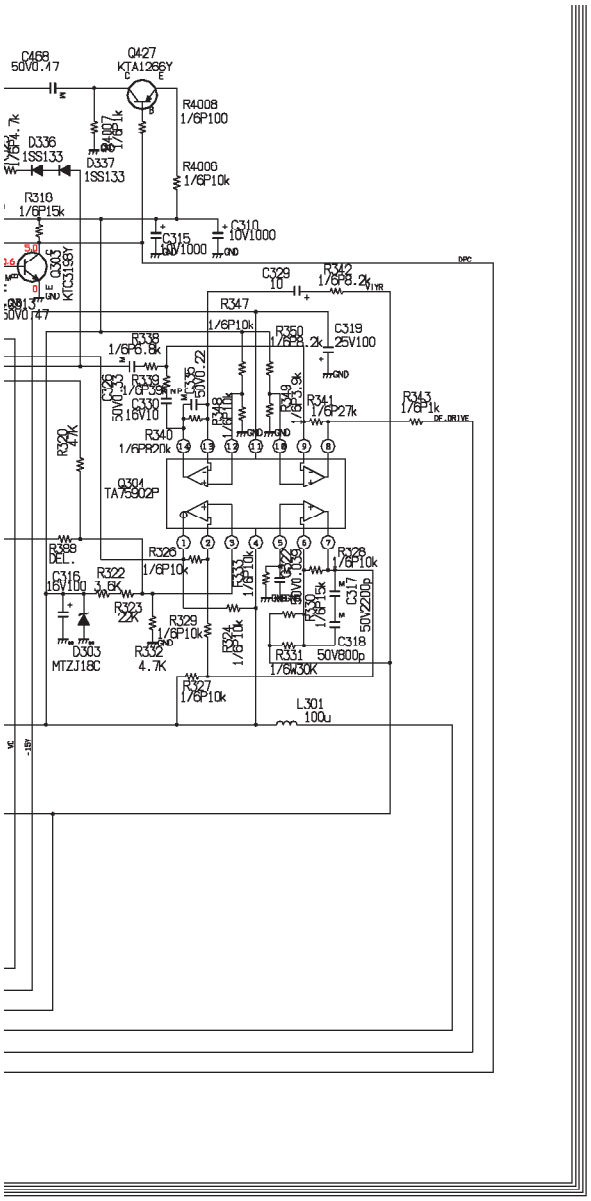




E1
E2
COLOR STREAM1
M.OUT
VARI AUDIO OUT
CENTER IN
COLOR STREAM2
CENTER-IN
PIN JACK
TA8610N
G
H
I
J
K
L
1
2
3
4


RV28 1/6P4.7K
RV29 1/6P4.7K
RV01 1/6P4.7K
RY80 1/6P330
CY40 7L50V10u
RY81 1/6P100
QY26U 2SC1740S
RY87 1/6P10
LY22 TEM2028K
RY82 1/6P1k
PV05 56P
TO FRONT-IN
RS40 1/6P100
RS41 DEL.
RS42 1/6P100
RS43 DEL.
RV11 1/6P10
RS38 DEL.
RS37 1/6P100
RV12 1/6P10
RS48 1/6P100
RS14 DEL.
RV13 1/6P10
RV15 1/6P2.2k
RS35 1/6P10k
CS29 330p
CS35 7L50V2.2u
DV17 MTZJ9.1A
RS36 1/6P10k
CS34 330p
RS53 1/6P10k
CS55 330p
DV18 MTZJ9.1A
RS56 330p
RS54 1/6P10k
CV38 7L16V100u
LV14 10u
CV46 0.01
QS14 KTC3198Y
RS27 1/6P47u
RS34 1/6P2.2k
RS30 1/6P100k
RS25 1/6P22k
QS01 2SC2878-A
CS21 100p
CS33 7L16V10u
RS28 1/6P470
RS33 1/6P2.2k
QS13 KTC3198Y
RS26 1/6P22k
QS11 2SC2878-A
CS22 100p
RS29 1/6P100k
QS12 RN2204
RS31 1/6P10k
RS32 1/6P100k
LV13 10u
QV10 2SC1740S
RV63 1/6P1k
QV48 2SC1740S
CV29 16V100u
LCV30 0.01
QV49 2SC1740S
RV89 1/6P68
RV81 1/6P4.7k
RV97 1/6P220
QV28 RN1203
RV85 1/2R18Ω
RV93 1/6P100
CV27 10V470u
QW17 RN1201
RV45 1/6P10k
RV40 1/6P1.8k
CV100 7L50V2.2u
CS54 7L50V2.2u
CV15 7L16V47u
CV12 7L16V47u
CV16 7L16V47u
CV51 7L16V47u
CV138 7L16V47u
CV135 7L16V47u
CV136 7L16V47u
CV50 7L16V47u
CV137 7L16V47u
CV47 7L16V47u
CV14 7L16V47u
CV113 7L16V47u
VARI-L
VARI-R
PIP-Y
SURR SW1
SURR SW2
Pb-1
Y-1
Pr-1
Pb-1
Y-1
AVL
AVR
A.MUTE
SCL1
SDA1
+9V
TV2-V
TV2-A
TV-V
TV-R
TV-L
SGA
DVD
PIP-VIDEO
SYNC-AV1
RV48 1/6P910
LV11 10u
RV60 1/6P6.8k
QV45 2SC1740S
QV43 2SA933S
RV140 1/6P10k
RV141 1/6P3k
DV25 1SS133
RV142 1/6P10k
QV22 2SA933S
CV67 1000p
CV68 7L50V1u
RV128 1/6P4.7k
QV20 RN1204
CV65 1200p
CV66 560P
RV124 1/6P3.9k
RV127 1/6P330
RV126 1/6P270k
QV23 2SA933S
CV64 7L50V10u
QV21 2SC1740S
RV143 1/6P10k
RV125 1/6P12k
GJ02 DEL.
2.1V
0.1V
GND
32μs
0.5V/div
10μs/div
R4016 1/6P1M
R4015 10K
C432 50V0.01
R4005 1/6P1k
R4011 1/6P10k
R4012 1/6P4.7k
Q421 2SC7526TM
R4014 1/6P2.2k
C431 50V0.1
Q420 LA7880
R4017 1/6P2.2k
R4013 1/6P10k
R4035 1/6P10k
Q423 RN1203
C453 50V1.0u
C470 B100p
R4018 1/6P2.2k
8V
2V/div
5ms/div
4.4V
GND
16.6ms
2.1V
0.5V/div
5ms/div
GND
0.2ms
16.6ms


P350
H.PULSE
HD
VD
V.DAC
31.5/33.75
+12V
AFC
HD
F.H
EHOM
SCL1
SDA1
VP
FBP.IN
+15V
VCNT
EH.DET
VD
-15V
EI-
V1YR
GND
+9V
DF.DRIVE
DPC
TO SIGNAL

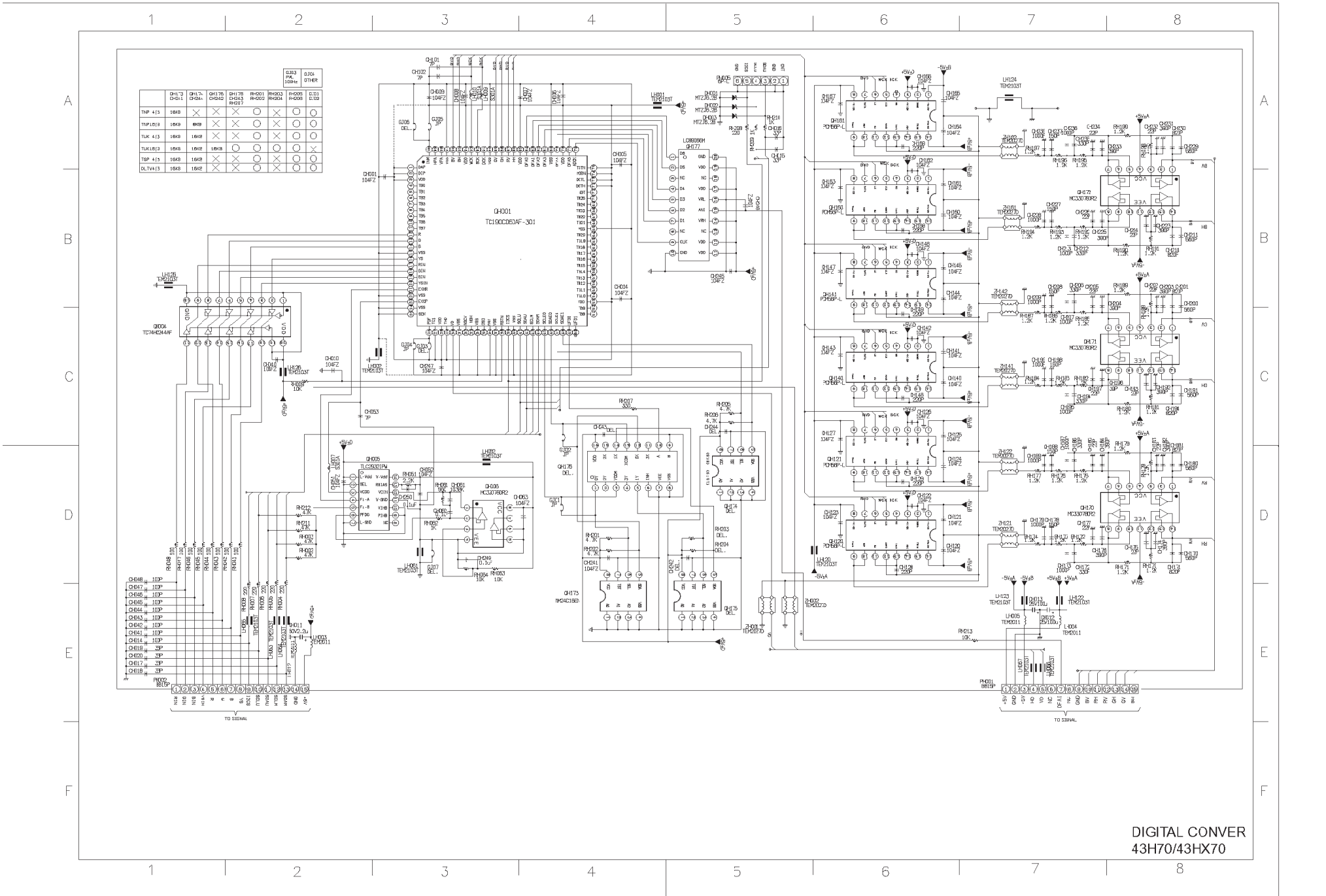
| 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|




# A/V SRS FRONT DPC
# 43H70/43HX70

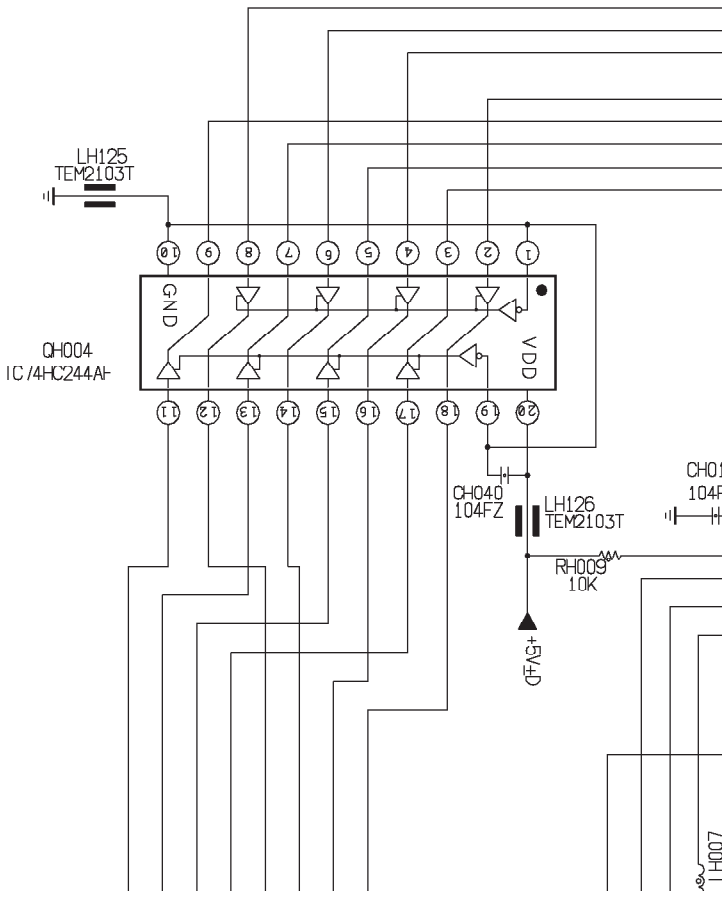
13 | 14 | 15 | 16

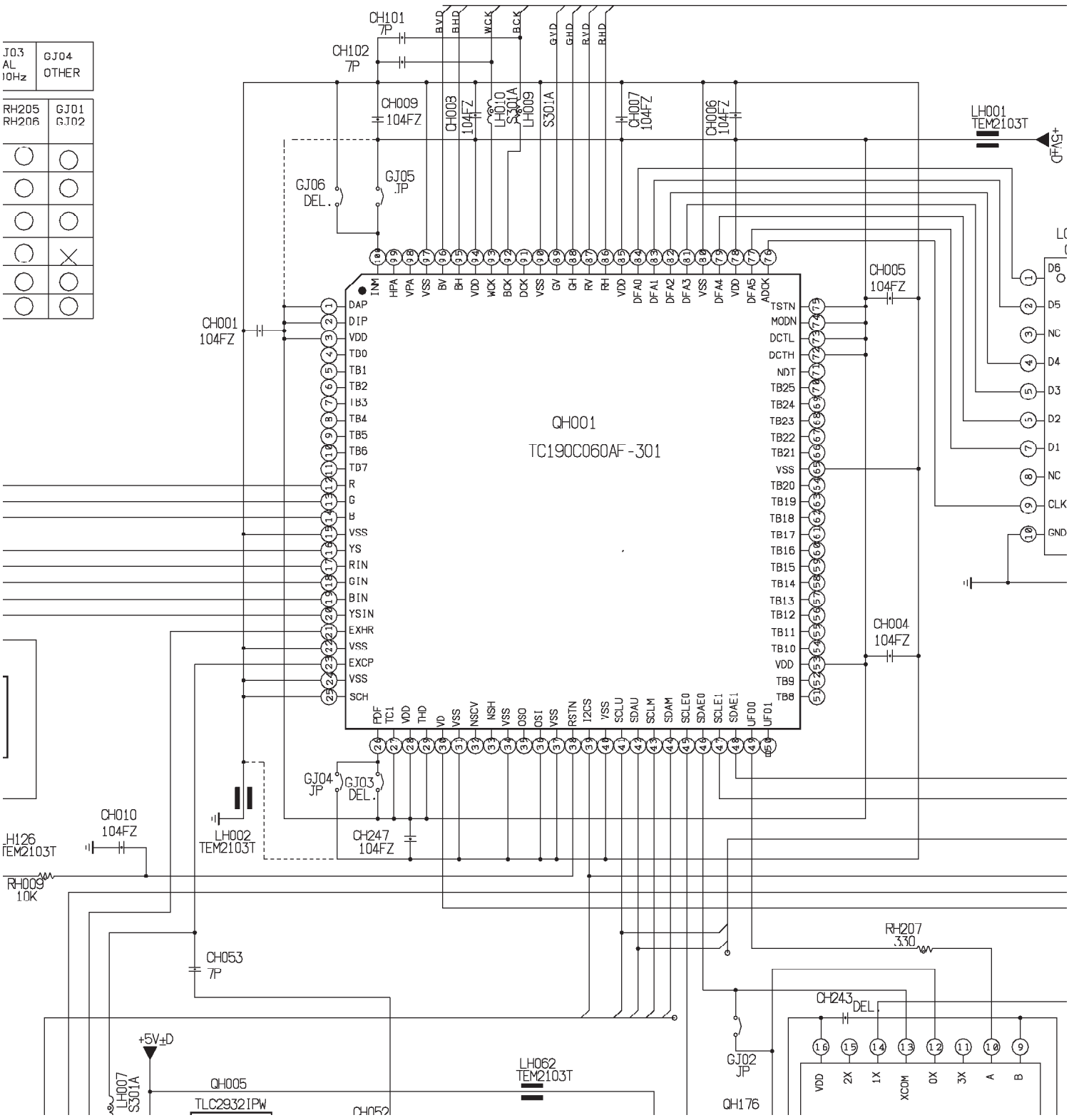
G H I J K L

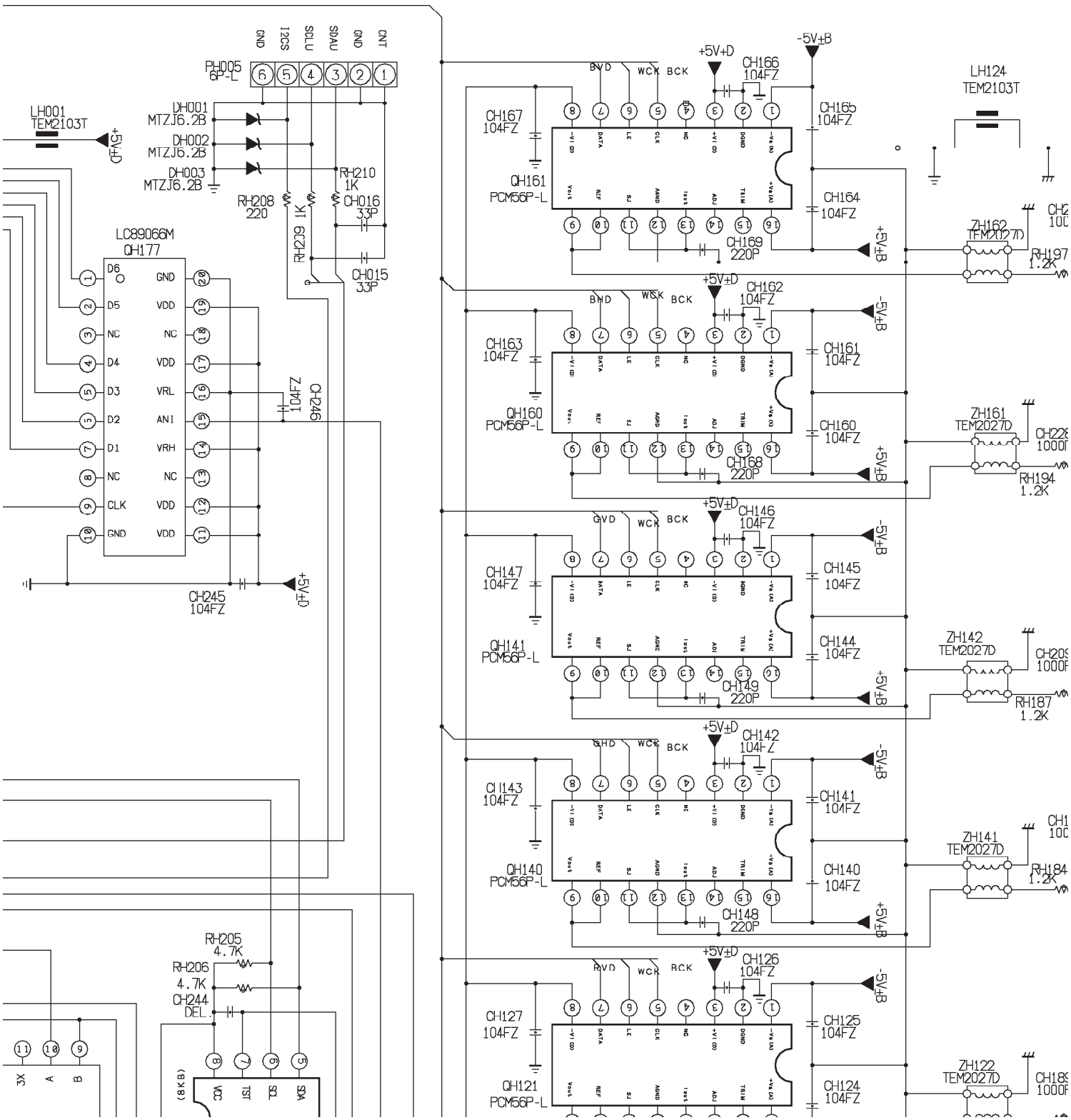

DIGITAL CONVER
43H70/43HX70

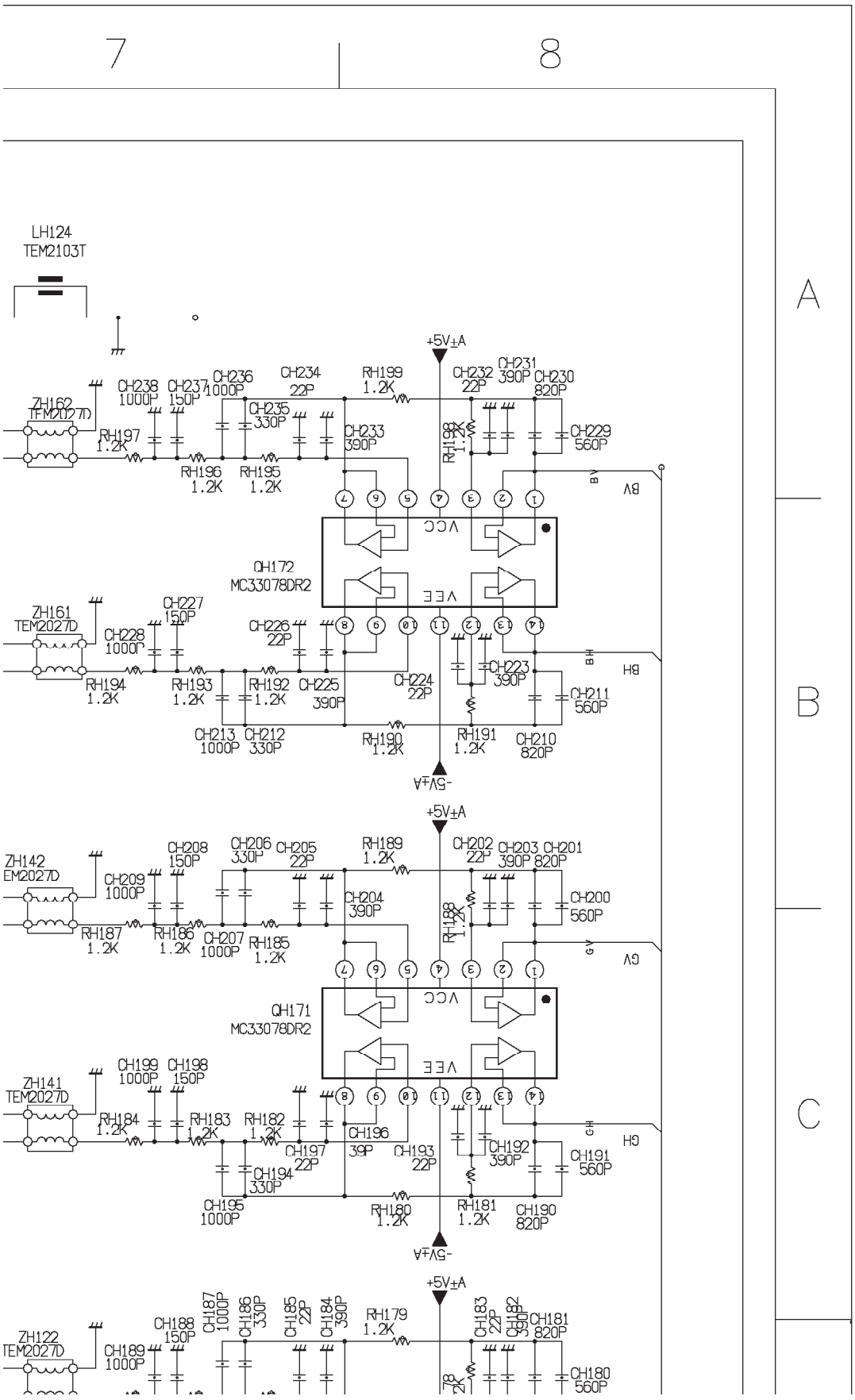
| GJ03 PAL 100Hz | GJ04 OTHER |
|---|---|

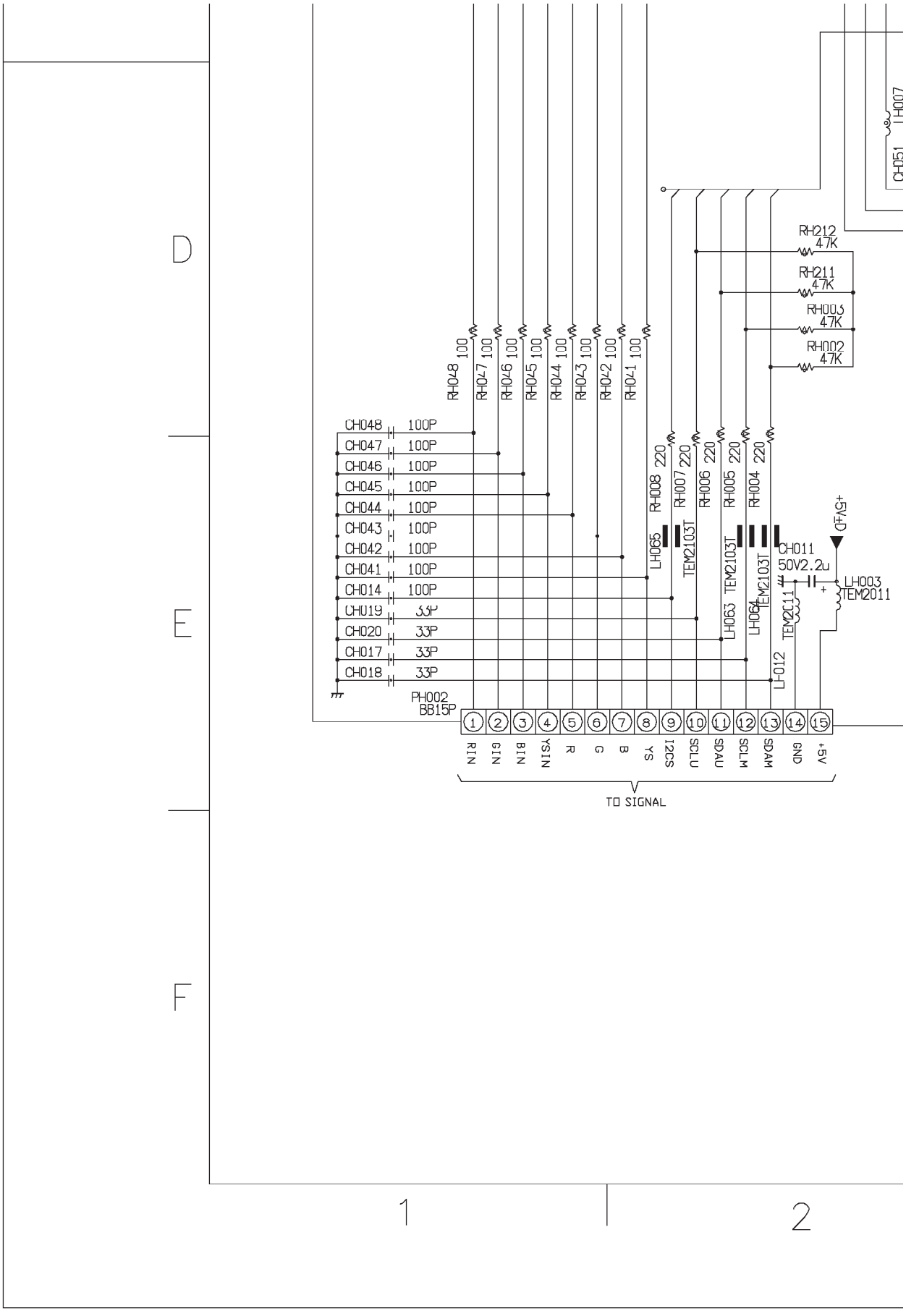
| | QH173 CH241 | QH174 CH244 | QH175 CH242 | QH176 CH243 RH207 | RH201 RH202 | RH203 RH204 | RH205 RH206 | GJ01 GJ02 |
|---|---|---|---|---|---|---|---|---|
| TNP 4\|3 | 16KB | X | X | X | ○ | X | ○ | ○ |
| TNP16\|9 | 16KB | 8KB | X | X | ○ | X | ○ | ○ |
| TUK 4\|3 | 16KB | 16KB | X | X | ○ | X | ○ | ○ |
| TUK16\|9 | 16KB | 16KB | 16KB | ○ | ○ | ○ | ○ | X |
| TSP 4\|3 | 16KB | 16KB | X | X | ○ | X | ○ | ○ |
| DLTV4\|3 | 16KB | 16KB | X | X | ○ | X | ○ | ○ |

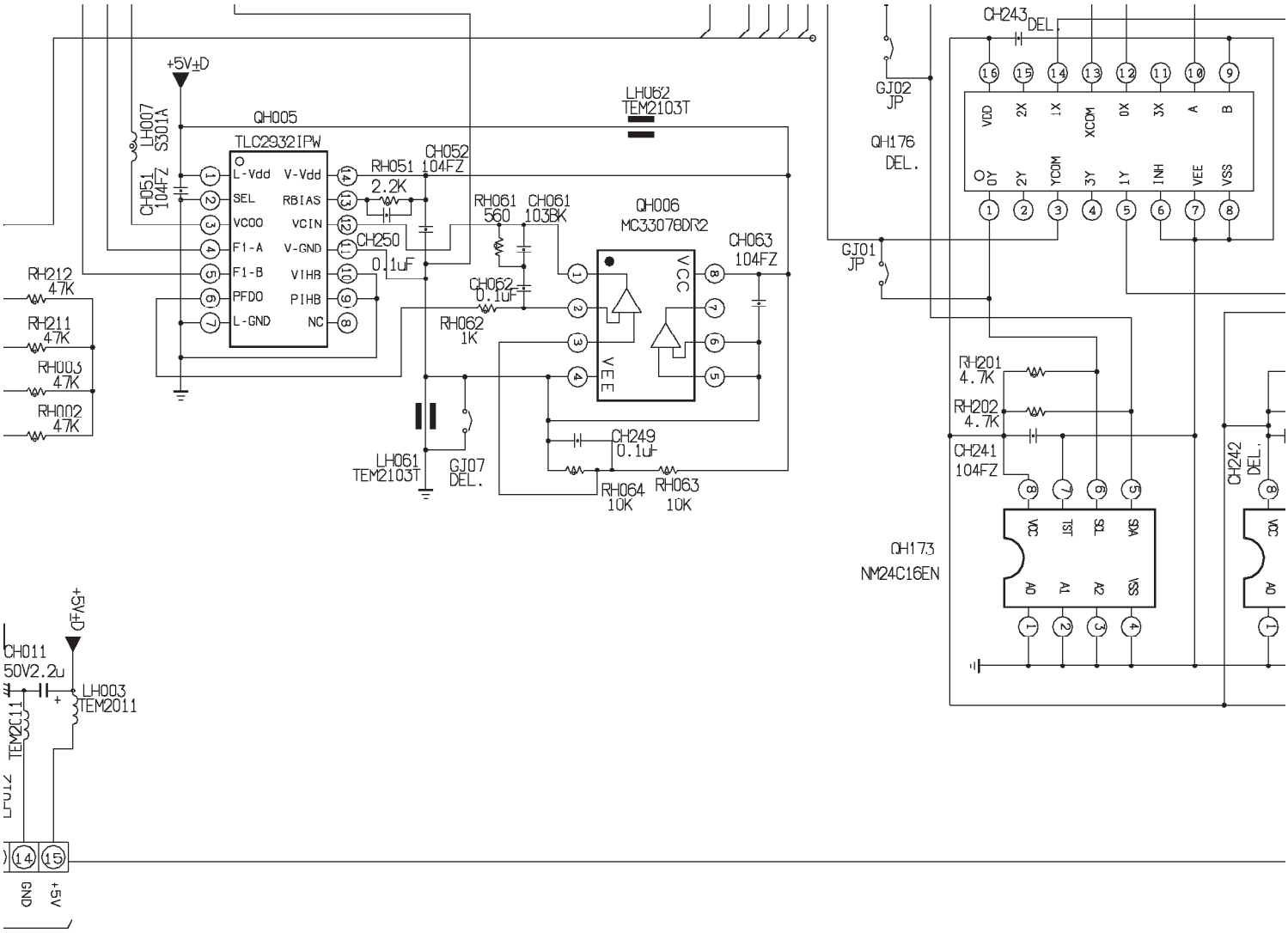


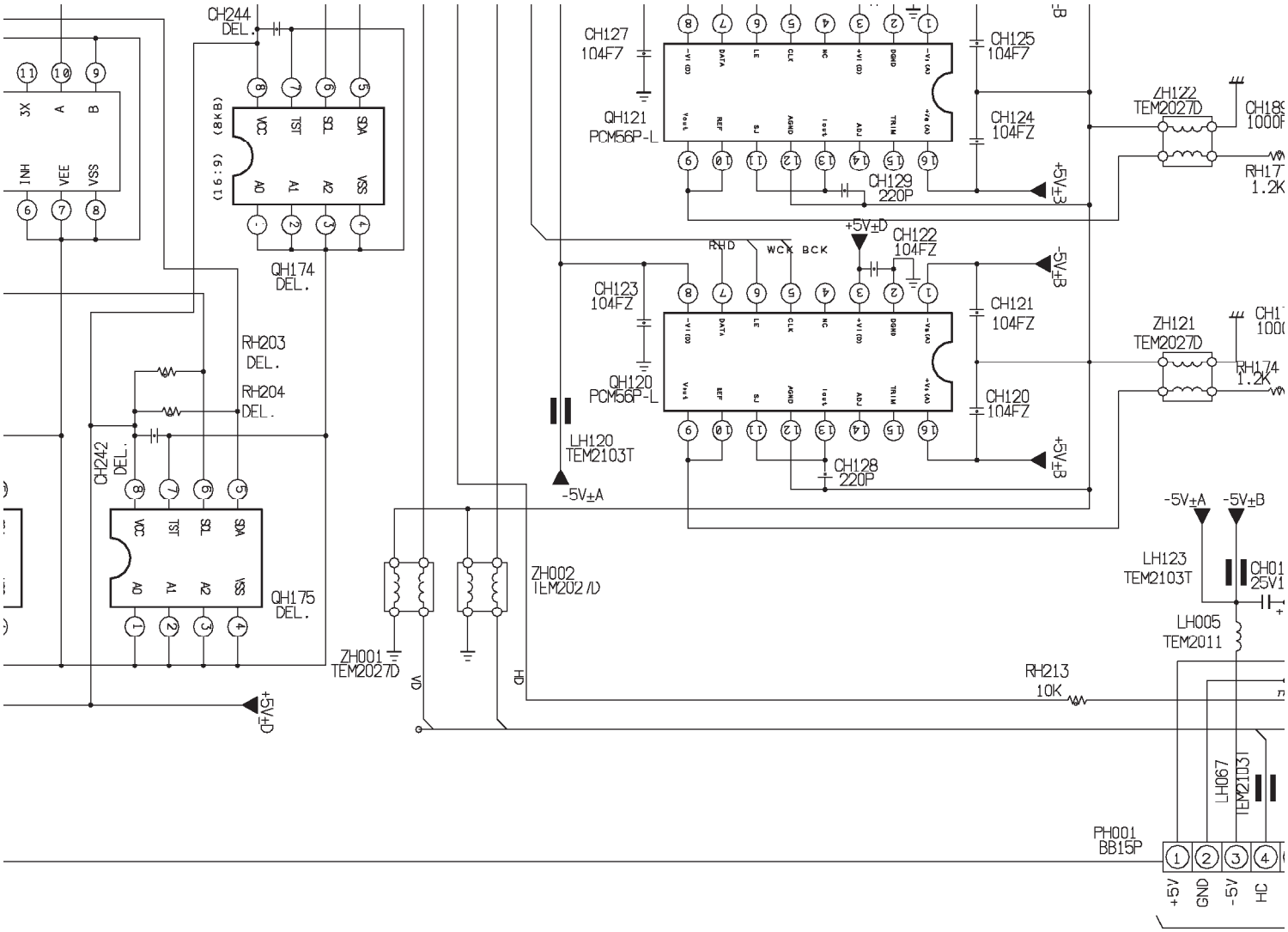

2
3
4
GJ04
OTHER
GJ01
GJ02
CH101
7P
CH102
7P
CH009
104FZ
CH003
104FZ
LH010
S301A
LH009
S301A
CH007
104FZ
CH006
104FZ
LH001
TEM2103T
GJ06
DEL.
GJ05
JP
CH001
104FZ
CH005
104FZ
CH004
104FZ
QH001
TC190C060AF-301
GJ04
JP
GJ03
DEL.
CH010
104FZ
LH002
TEM2103T
CH247
104FZ
RH009
10K
CH053
7P
RH207
330
CH243
DEL.
GJ02
JP
+5V±D
LH007
S301A
QH005
TLC2932IPW
LH062
TEM2103T
QH176
D6
D5
NC
D4
D3
D2
D1
NC
CLK
GND
VDD
2X
1X
XCOM
0X
3X
A
B


5
6
7
GND
I2CS
SCLU
SDAU
GND
CNT
PH005
6P-L
LH001
TEM2103T
+5V+D
DH001
MTZJ6.2B
DH002
MTZJ6.2B
DH003
MTZJ6.2B
RH208
220
RH209 1K
RH210
1K
CH016
33P
CH015
33P
LC89066M
QH177
D6
D5
NC
D4
D3
D2
D1
NC
CLK
GND
GND
VDD
NC
VDD
VRL
ANI
VRH
NC
VDD
VDD
CH246
104FZ
CH245
104FZ
+5V+B
RH205
4.7K
RH206
4.7K
CH244
DEL
3X
A
B
(8KB)
VCC
TST
SCL
SDA
-5V+B
BVD
WCK
BCK
CH166
104FZ
CH167
104FZ
QH161
PCM56P-L
CH165
104FZ
CH164
104FZ
CH169
220P
LH124
TEM2103T
ZH162
TEM2027D
RH197
1.2K
CH162
104FZ
CH163
104FZ
QH160
PCM56P-L
CH161
104FZ
CH160
104FZ
CH168
220P
ZH161
TEM2027D
RH194
1.2K
CH146
104FZ
CH147
104FZ
QH141
PCM56P-L
CH145
104FZ
CH144
104FZ
CH149
220P
ZH142
TEM2027D
RH187
1.2K
CH142
104FZ
CH143
104FZ
QH140
PCM56P-L
CH141
104FZ
CH140
104FZ
CH148
220P
ZH141
TEM2027D
RH184
1.2K
CH126
104FZ
CH127
104FZ
QH121
PCM56P-L
CH125
104FZ
CH124
104FZ
ZH122
TEM2027D


7
8
A
B
C
LH124
TEM2103T
+5V±A
-5V±A
ZH162
TFM2027D
ZH161
TEM2027D
ZH142
EM2027D
ZH141
TEM2027D
ZH122
TEM2027D
QH172
MC33078DR2
QH171
MC33078DR2
VCC
VEE
BV
BH
GV
GH
CH238 1000P
CH237 150P
CH236 1000P
CH234 22P
CH235 330P
CH233 390P
CH232 22P
CH231 390P
CH230 820P
CH229 560P
RH199 1.2K
RH198 1.2K
RH197 1.2K
RH196 1.2K
RH195 1.2K
CH227 150P
CH228 1000P
CH226 22P
CH225 390P
CH224 22P
CH223 390P
CH211 560P
RH194 1.2K
RH193 1.2K
RH192 1.2K
RH190 1.2K
RH191 1.2K
CH213 1000P
CH212 330P
CH210 820P
CH208 150P
CH206 330P
CH205 22P
CH204 390P
CH202 22P
CH203 390P
CH201 820P
CH200 560P
RH189 1.2K
RH188 1.2K
CH209 1000P
RH187 1.2K
RH186 1.2K
CH207 1000P
RH185 1.2K
CH199 1000P
CH198 150P
CH196 39P
CH197 22P
CH193 22P
CH192 390P
CH191 560P
RH184 1.2K
RH183 1.2K
RH182 1.2K
CH194 330P
CH195 1000P
RH180 1.2K
RH181 1.2K
CH190 820P
CH187 1000P
CH186 330P
CH185 22P
CH184 390P
RH179 1.2K
CH183 22P
CH182 390P
CH181 820P
CH188 150P
CH189 1000P
CH180 560P


D
E
F
1
2
RH212 4.7K
RH211 4.7K
RH005 4.7K
RH002 4.7K
RH048 100
RH047 100
RH046 100
RH045 100
RH044 100
RH043 100
RH042 100
RH041 100
RH008 220
RH007 220
RH006 220
RH005 220
RH004 220
CH048 100P
CH047 100P
CH046 100P
CH045 100P
CH044 100P
CH043 100P
CH042 100P
CH041 100P
CH014 100P
CH019 33P
CH020 33P
CH017 33P
CH018 33P
LH065
TEM2103T
LH063 TEM2103T
LH064 TEM2103T
LH012
TEM2C11
CH011 50V2.2u
+5VA
LH003 TEM2011
PH002 BB15P
1 RIN
2 GIN
3 BIN
4 YSIN
5 R
6 G
7 B
8 YS
9 I2CS
10 SCLU
11 SDAU
12 SCLM
13 SDAM
14 GND
15 +5V
TO SIGNAL
CH051
1H007


+5V±D
LH007
S301A
CH051
104FZ
QH005
TLC2932IPW
L-Vdd
SEL
VCOO
F1-A
F1-B
PFDO
L-GND
V-Vdd
RBIAS
VCIN
V-GND
VIHB
PIHB
NC
RH051
2.2K
CH052
104FZ
CH250
0.1uF
LH062
TEM2103T
RH061
560
CH061
103BK
QH006
MC33078DR2
VCC
VEE
CH062
0.1uF
RH062
1K
CH063
104FZ
CH249
0.1uF
RH064
10K
RH063
10K
LH061
TEM2103T
GJ07
DEL.
RH212
4.7K
RH211
4.7K
RH003
4.7K
RH002
4.7K
CH243
DEL.
GJ02
JP
QH176
DEL.
VDD
2X
1X
XCOM
0X
3X
A
B
0Y
2Y
YCOM
3Y
1Y
INH
VEE
VSS
GJ01
JP
RH201
4.7K
RH202
4.7K
CH241
104FZ
CH242
DEL.
QH173
NM24C16EN
VCC
TST
SCL
SDA
A0
A1
A2
VSS
+5VD
CH011
50V2.2u
LH003
TEM2011
TEM2011
GND
+5V


CH244
DEL.
(8KB)
(16:9)
SCL
SDA
VCC
TST
A0
A1
A2
VSS
QH174
DEL.
RH203
DEL.
RH204
DEL.
CH242
DEL.
QH175
DEL.
+5V±B
CH127
104F7
QH121
PCM56P-L
CH125
104F7
CH124
104FZ
CH129
220P
ZH122
TEM2027D
RH17
1.2K
+5V±D
RHD
WCK
BCK
CH123
104FZ
QH120
PCM56P-L
CH122
104FZ
CH121
104FZ
CH120
104FZ
CH128
220P
LH120
TEM2103T
-5V±A
ZH121
TEM2027D
RH174
1.2K
-5V±B
LH123
TEM2103T
LH005
TEM2011
RH213
10K
ZH002
TEM2027D
ZH001
TEM2027D
VD
HD
LH067
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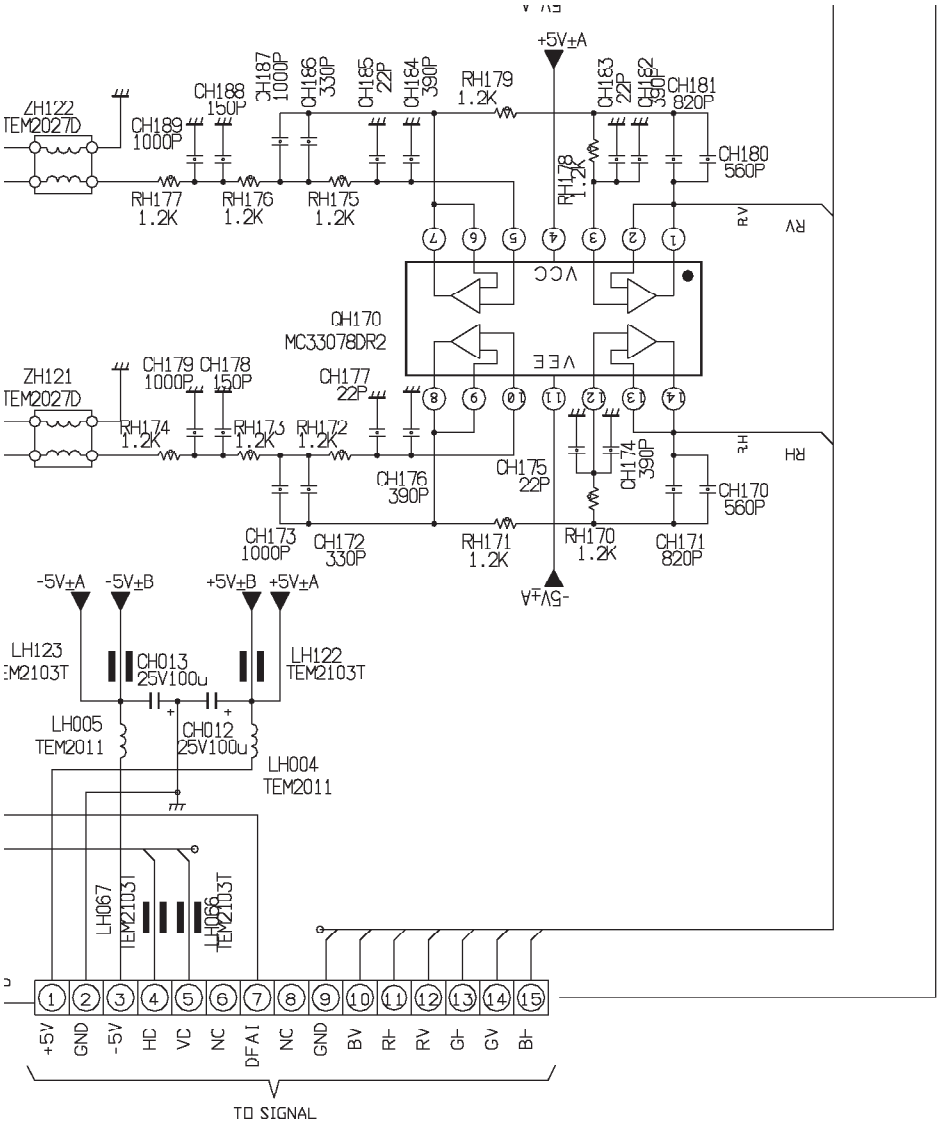
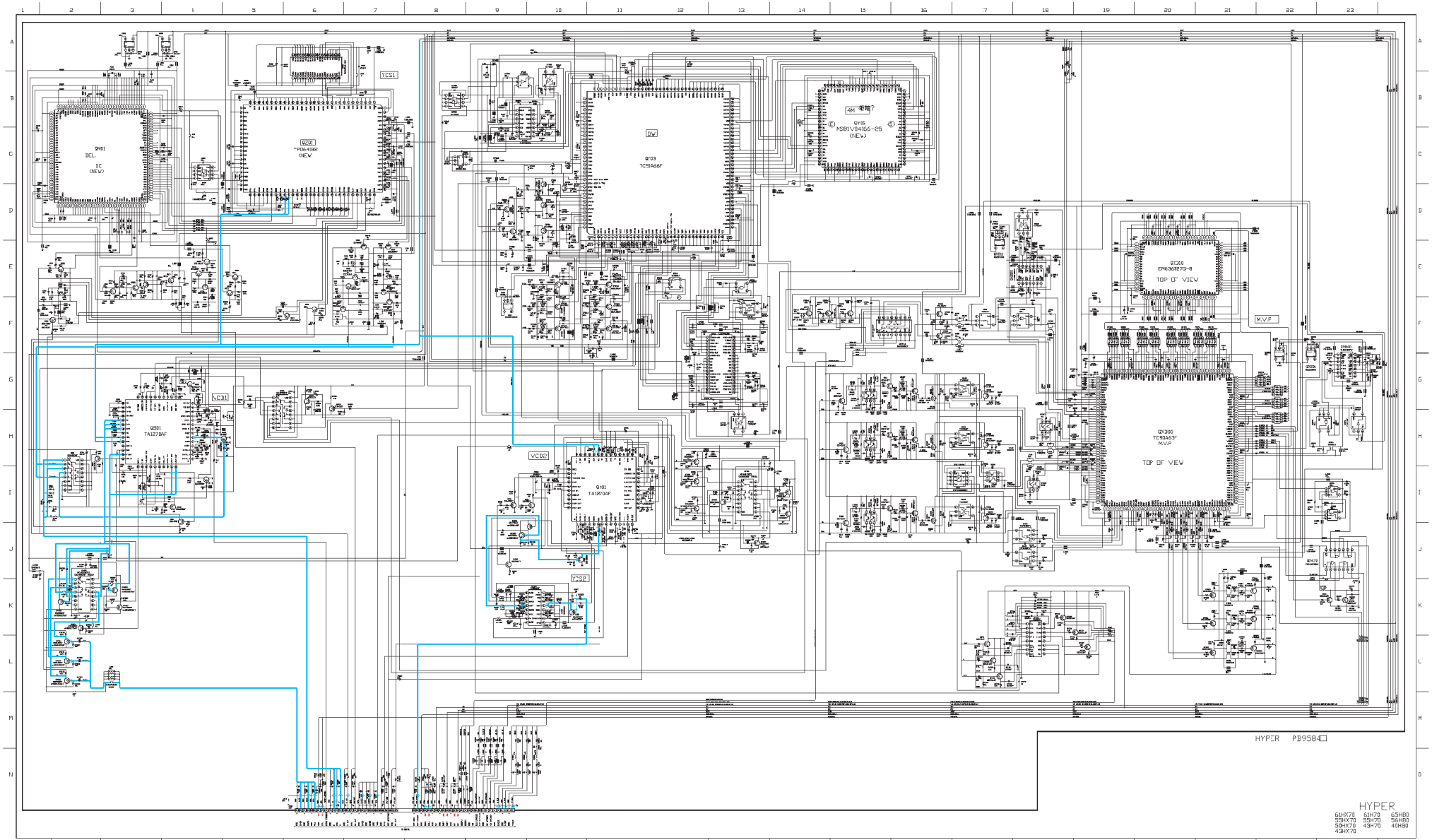
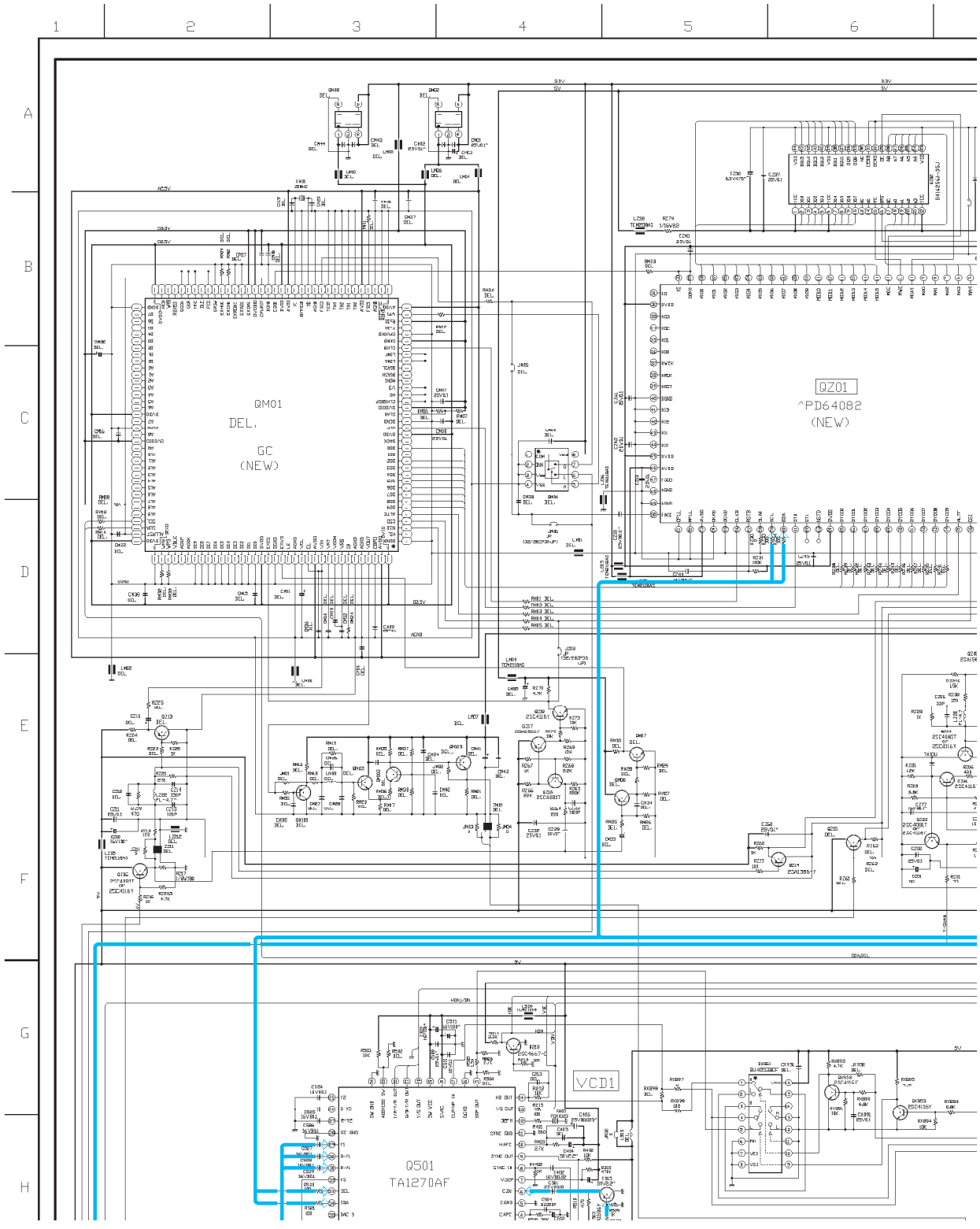
PH001
BB15P
+5V
GND
-5V
HD

5 6 7




# DIGITAL CONVER
# 43H70/43HX70


YCS1
DV
VCD1
VCD2
YCS2
M.V.P
TOP OF VIEW
HYPER PB9584□
HYPER
61HX78 61H78 65HB0
55HX78 55H70 56HB0
50HX78 43H70 40HB0
43HX78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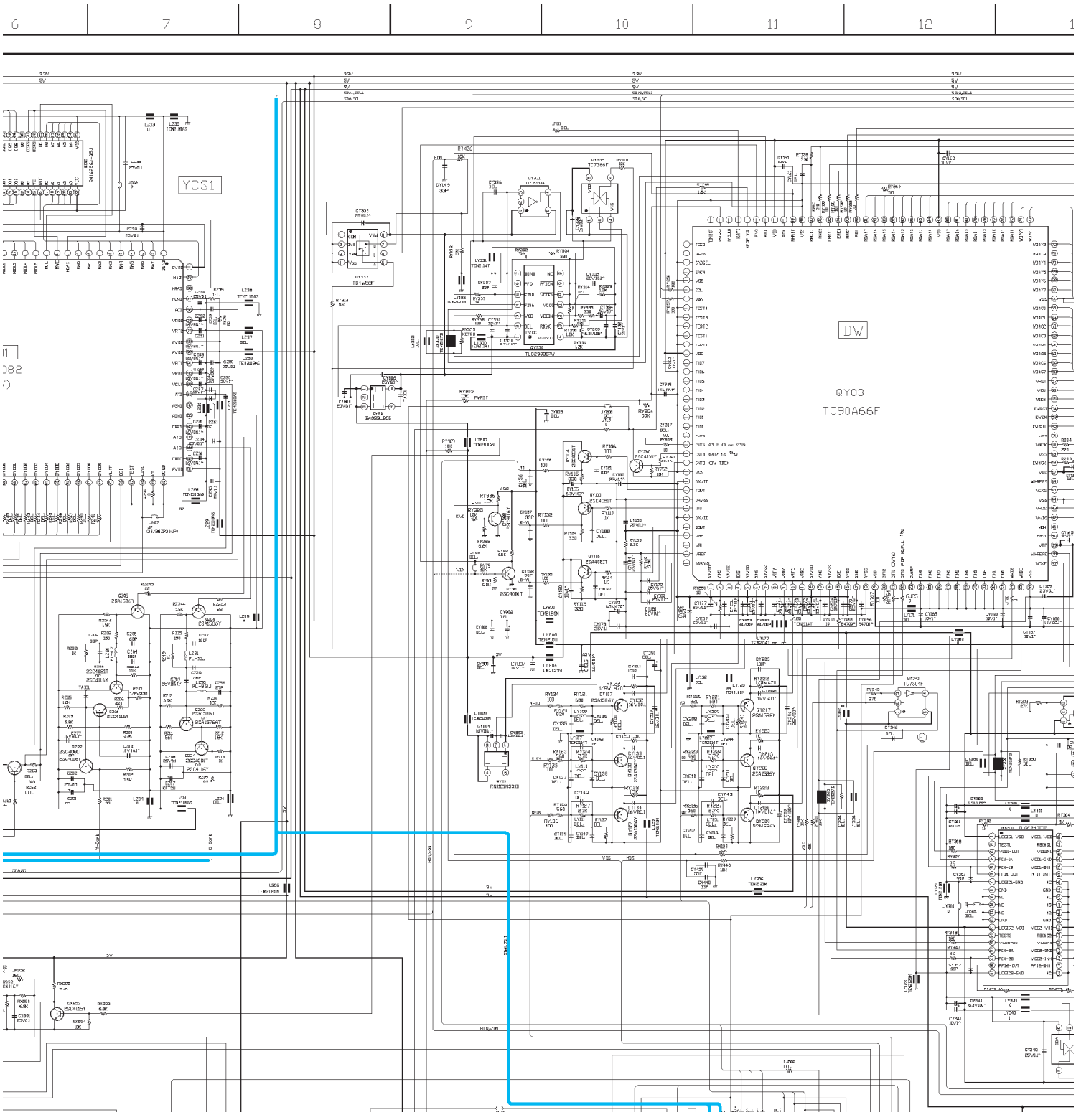
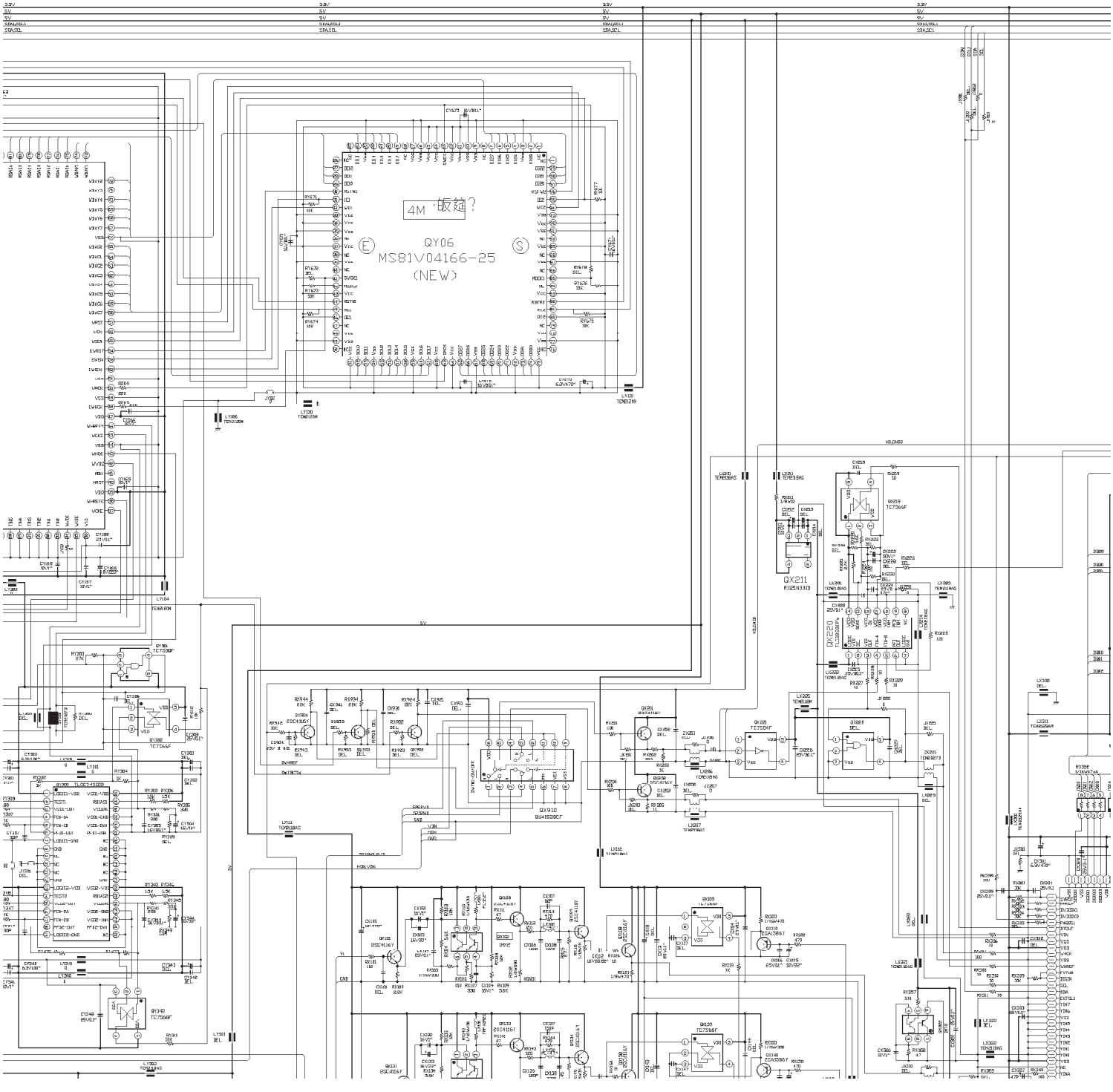
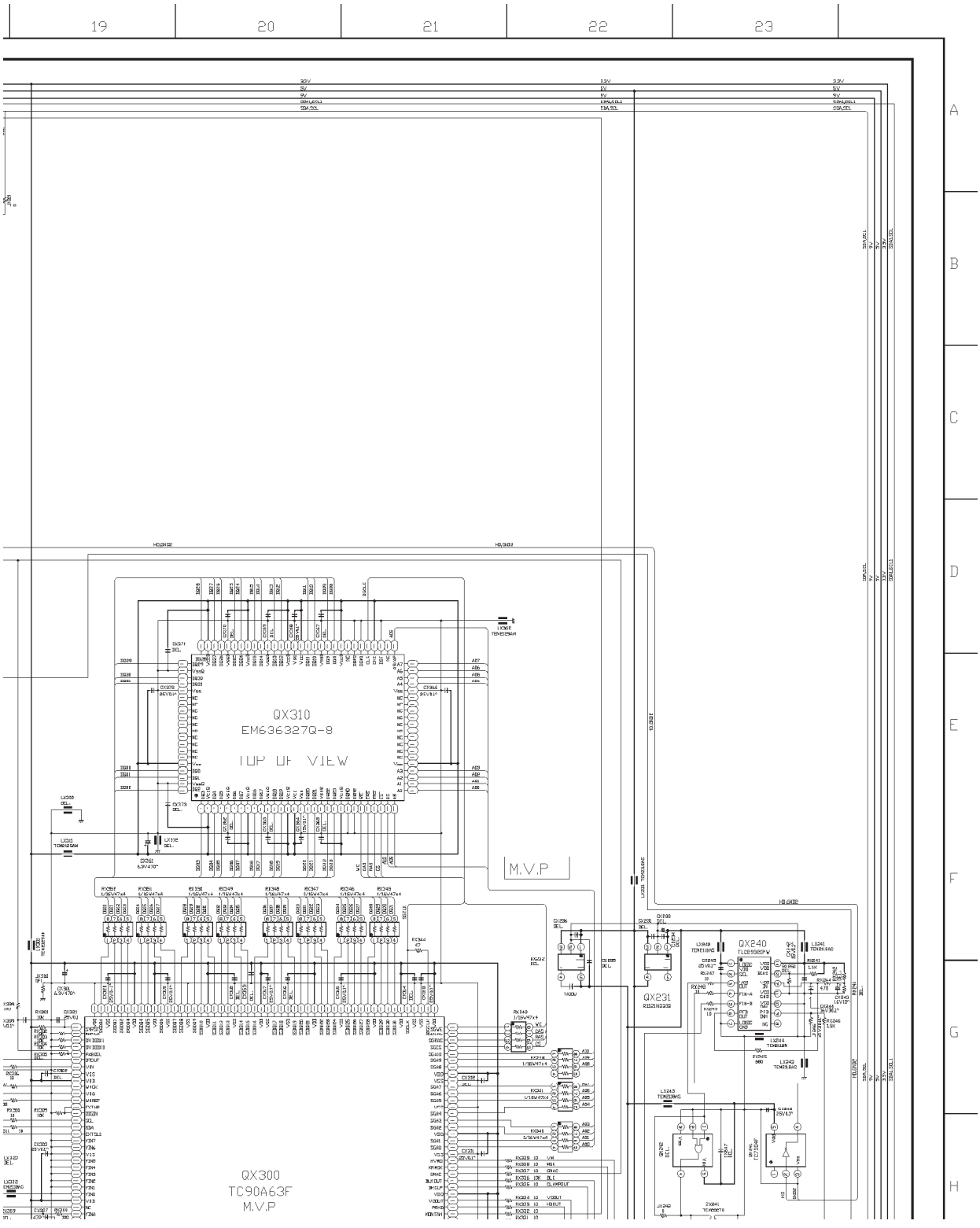
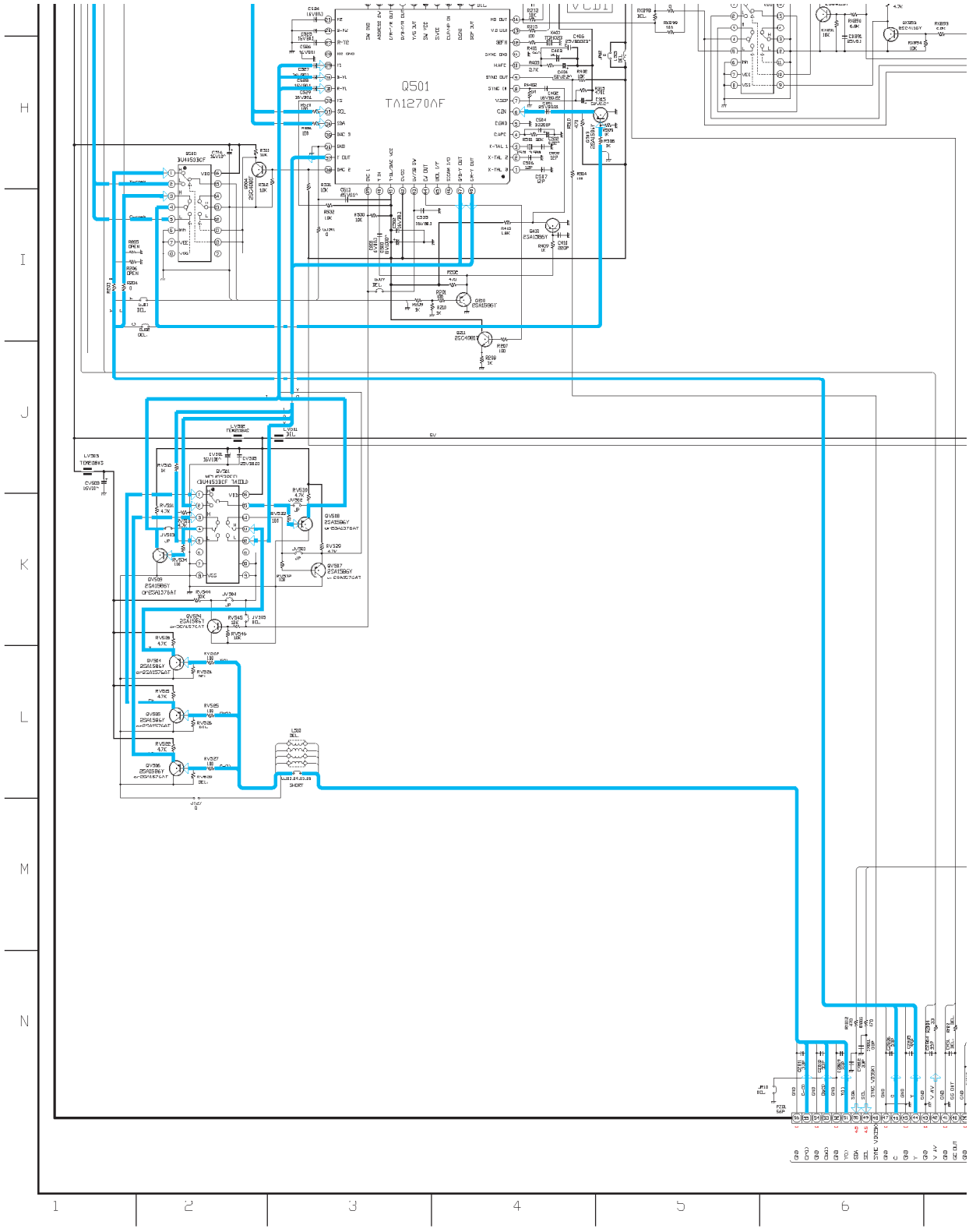
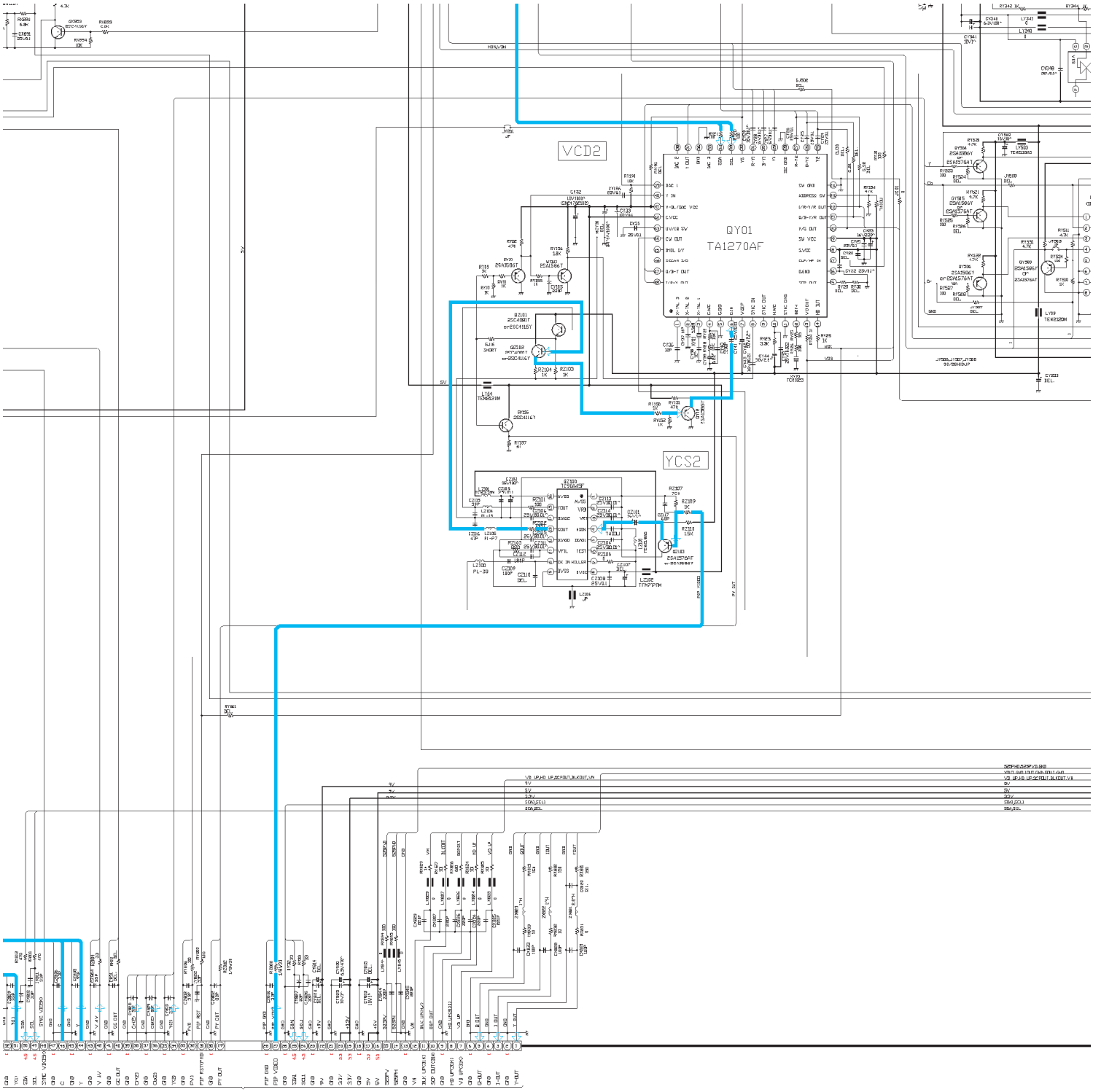
DEL.
GC
(NEW)
QZ01
^PD64082
(NEW)
VCD1
Q501
TA1270AF

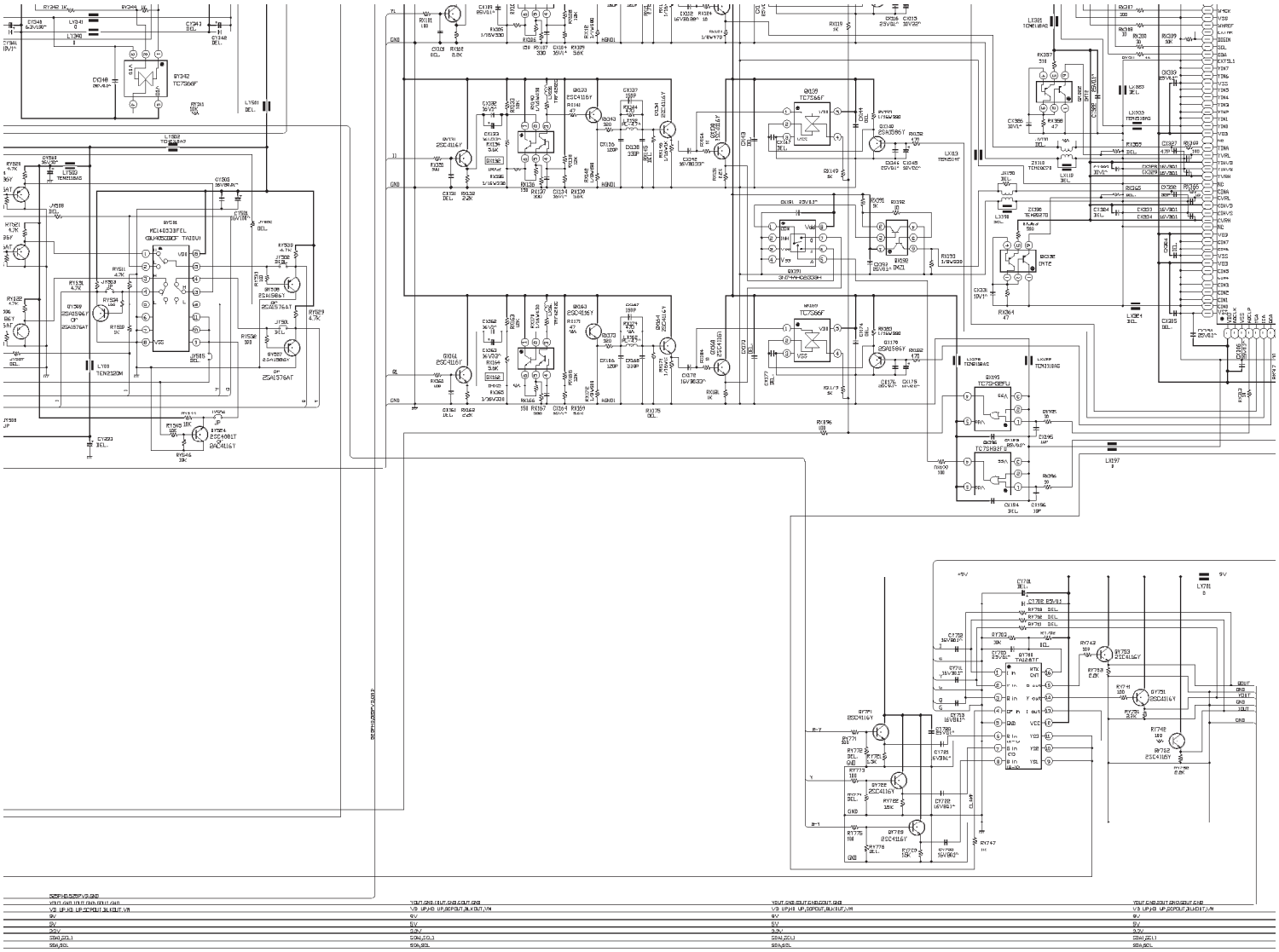

6
7
8
9
10
11
12
YCS1
DW
QY03
TC90A66F


13
14
15
16
17
18
19
QY06
MS81V04166-25
(NEW)
QX211
R12N3313
QX910
BU4S39CF

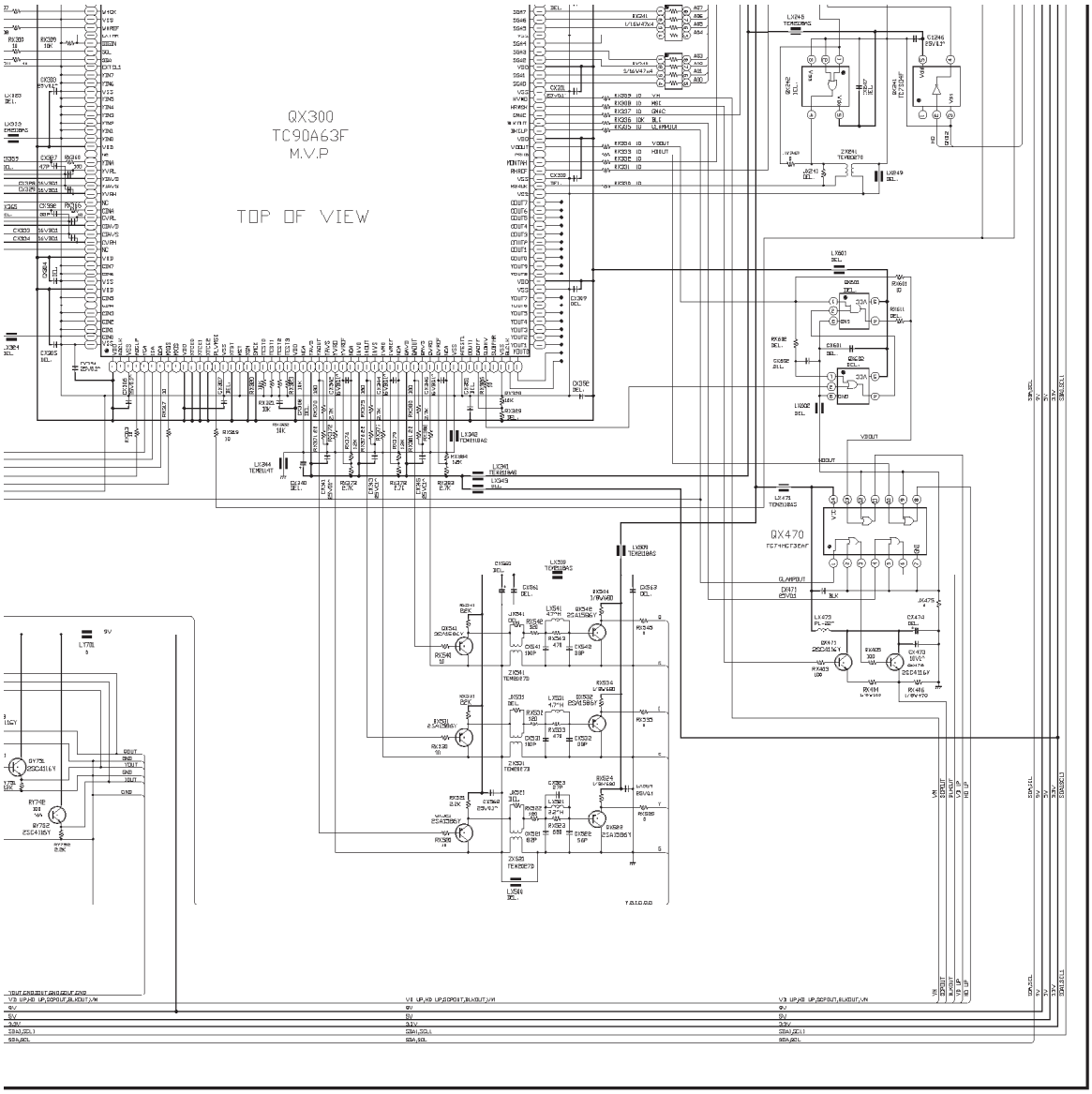

19
20
21
22
23
A
B
C
D
E
F
G
H
QX310
EM636327Q-8
TOP VIEW
M.V.P
QX300
TC90A63F
M.V.P
QX240
TLOR90PDFV
QX231
RS2ON2228


Q501
TA1270AF
H
I
J
K
L
M
N
1
2
3
4
5
6


VCD2
QY01
TA1270AF
YCS2



| | | | |
|---|---|---|---|
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |




HYPER PB9584□

HYPER

61HX70 61H70 65H80
55HX70 55H70 56H80
50HX70 43H70 40H80
43HX70